

## DEPARTMENT OF TOXIC SUBSTANCES CONTROL

1011 N. GRANDVIEW AVENUE  
GLENDALE, CA 91201  
(818) 551-2800



May 26, 1995

Louis D. Van Mullem, Col, USAF  
Department of the Air Force  
30 SPW/ET  
806 13th Street, Suite J  
Vandenberg AFB, CA 93437

Dear Col. Van Mullem:

On April 19-21, 1995, the California Environmental Protection Agency, Department of Toxic Substances Control (Department), conducted an inspection of Vandenberg Air Force Base. The enclosed report describes the findings of this inspection, including all violations and any actions that should be taken by the facility to correct the violations.

If violations were found, you are required by section 25185(c)(3) of the Health and Safety Code to submit a written response to the Department within 30 days describing the corrective actions that you have taken or propose to take to bring your facility into compliance. If you dispute any of the violations, you should explain your disagreement in this written response. The issuance of this letter does not preclude the Department from taking administrative, civil, or criminal action as a result of the violations noted in the report.

All pertinent information derived from the inspection, including documents, photographs, and sampling results, are included as attachments to the report, except copies of documents provided by your facility at the time of the inspection. In order to reduce copying and mailing costs, these have not been returned to you with the report; copies will be provided if you request them. This report will become a public document; you may request that any trade secret or facility security information be withheld from public disclosure. (See Health and Safety Code Section 25173)

If you have any questions regarding this letter, or if you wish to meet with the Department to discuss any questions or concerns you have with the inspection, the report, the violations, or the proposed corrective action, please call Larry Stuck at (818) 551-2930.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert Kou".

Robert Kou  
Supervising Hazardous Substances  
Scientist  
Statewide Compliance Division

Enclosure

COMPLIANCE EVALUATION INSPECTION REPORT

VANDENBERG AIR FORCE BASE  
30 SPW/ET  
806 13th Street, Suite J  
California, 93437-6021  
(805) 734-8232 ext. 6-1921

EPA ID # CA 9570025149

Inspected By: Larry Stuck  
Date Inspected: April 19 - 21, 1995  
Report By: Larry Stuck  
Date of Report: May 26, 1995

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I. Purpose:

To conduct a Compliance Evaluation Inspection (CEI) of Vandenberg Air Force Base (VAFB) which has a State Hazardous Waste Facility Permit and RCRA ISD for storage and has applied for a RCRA TSDF permit to treat and store hazardous waste. As part of this CEI, units authorized or exempt under tiered permitting were also inspected.

II. Representatives Present:

**Vandenberg Air Force Base (VAFB):**

Louis Van Mullem, Colonel  
John Gunderson, Legal Counsel  
Duane Wolfe, Environmental Manager  
Joe Naputi, Master Sergeant  
Jon Erickson, Environmental Engineer  
Benny Romero, Environmental Protection Specialist  
John Sipos, (Jacobs Engineering) Environmental Manager

**California Environmental Protection Agency / Department of Toxic Substances Control (Department):**

Larry Stuck, Hazardous Substances Scientist  
Carlos Ortega, Hazardous Substances Scientist

**United States Environmental Protection Agency (EPA):**

Diane Bodine, Compliance & Enforcement Officer

III. Owner/Operator:

This facility is legally owned by the Department of the Air Force and is operated by the Defense Logistics Agency. Many of the units are operated or cooperated by civilian contractors and consultants. VAFB assumes the role of generator and ISD facility for all activities on the base whether or not military personnel are directly involved. Currently, Jacobs Engineering Group, Inc. is the consultant hired to help with all Permit requirements and to operate many units.

IV. Background:

December 18, 1981      The Department issued an Interim Status Document (ISD) to VAFB.

April 25, 1985        Department inspector, Maxine Richey performed a record review at VAFB to determine

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compliance.

August 15, 1985      Department inspector, Maxine Richey performed a "walk through" inspection of VAFB.

June 5, 1986      Department permit writer, Carmelita Lampino performed a "pre-permit" inspection of VAFB.

June 25, 1986      Jacobs Engineering Inc. conducted a Compliance Evaluation Inspection under contract with the Environmental Protection Agency (EPA).

July 24, 1986      The Department issued a State Hazardous Waste Facility Permit to VAFB.

May 26, 1988      Jacobs Engineering Group, Inc. conducted a Compliance Evaluation Inspection under contract with the EPA.

October 24, 1990      Department inspector, Larry Stuck conducted a CEI inspection.

January 9, 1991      The Department issued a Report of Violation and Schedule of Compliance citing 12 counts.

August 5, 1991      The Department sent VAFB a letter authorizing them to continue operating according to conditions defined in their Hazardous Waste Facility Permit issued on July 24, 1986, until their new Part A and B permit application is reviewed by the Department.

October 29, 1991      Department inspector, Larry Stuck conducted a CEI inspection.

January 16, 1992      The Department issued a Report of Violation and Schedule of Compliance citing 5 counts.

December 17, 1992      VAFB submitted a revised Part A application for five treatment and storage units.

December 22, 1992      Department inspector, Larry Stuck conducted a CEI inspection and cited four violations.

April 1, 1993      VAFB submitted initial notification of units operating under tiered permitting requirements.

May 10, 1993      VAFB submitted a revised Part B application.



May 26, 1993            The Department accepted VAFB's Parts A and B as administratively complete.

May 27, 1993            The Department issued a Report of Violation (ROV) and Schedule of Compliance citing 4 counts.

September 24, 1993    VAFB submitted a revised notification for units qualifying for tiered permitting.

March 14, 1994           The Department issued a Desk Order to VAFB citing the 4 counts included in the May 27, 1993 ROV.

March 23, 1994           The Department granted authorization for 18 tiered permitting units including 3 conditionally exempt treatment units and 15 conditionally authorized treatment units.

June 22 & 23, 1994    Department inspector, Larry Stuck conducted a CEI inspection. There were no violations cited.

January 19, 1995        VAFB submitted a revised Part A application (see Attachment 1).

January, 1995            VAFB submitted a revised Part B application.

V. Hazardous Waste Permit Status:

VAFB is operating a hazardous waste storage facility under a RCRA ISD as well as a State Hazardous Waste Facility Permit. VAFB also operates an open burn/open detonation (OB/OD) pit under a RCRA ISD.

Activities operating at VAFB which were noted in their January 19, 1995 RCRA Part A application include:

- 1) Explosive ordinance disposal (EOD) - an OB/OD unit requiring a RCRA Permit.
- 2) Ultra-violet (UV)/Ozone wastewater treatment - which will require a RCRA Permit to treat hazardous level wastewater.
- 3) Hazardous waste storage facility - requiring a RCRA Permit.

note: 1) Bulb crusher - requiring a RCRA Permit. VAFB has removed this unit from their application and from service and has contracted Mercury Recovery Services to pick-up intact bulbs for recycling. This unit is going through closure.

2) Acid/Base neutralization - requiring a RCRA Permit. VAFB

↑

has removed this unit from their application. This neutralization unit was proposed but never installed at VAFB.

Other hazardous waste activities include on-site recycling of Freon and lacquer thinner which are exempt since they reuse these materials on-site, and silver & copper reclaiming and oil/water separation, both of which fall under tiered permitting requirements.

VAFB has consolidated several of 18 hazardous waste collection accumulation points (CAPs), which were operated as generator units with storage less than 90 days, into one "super CAP". CAPs remain at the hypergolic fuel stockpile locations for safety reasons.

VAFB has Air Pollution Control District (APCD) permits for two air scrubber units at the Hypergolic Storage Stockpile Facility (HSSF) and oxidizer storage facility and Water Quality Control Board permits for wastewater treatment units and two evaporation ponds.

#### VI. General Description of Facility:

VAFB is located along 35 miles of Santa Barbara County coast, approximately 55 miles northwest of Santa Barbara. VAFB is currently the third largest United States Air Force (USAF) installation, covering more than 98,400 acres or 154 square miles. The base is bordered by the Pacific Ocean to the west and south, by Casmalia Hills to the north and six miles to the east is the city of Lompoc (see Attachment 2).

VAFB hosts more than 40 Department of Defense (DOD) and non-DOD government organizations and 75 civilian aerospace contractors, employing a total of nearly 15,000 people. VAFB remains the generator for all hazardous wastes generated on the base and is responsible for all environmental permits.

The base was first established in 1941 as a training center for armored and infantry divisions of the army and was designated Camp Cooke. In June 1957, Camp Cooke was transferred to the USAF to become USAF's first missile base. In 1958, the base was redesignated VAFB. In December 1958, VAFB launched its first missile and has launched more than 1,638 missiles and space boosters to date. VAFB's primary mission is to conduct strategic air command (SAC) missile combat crew training, operational testing and other intercontinental ballistic missile and space-related programs.

#### VII. Hazardous Waste Activity:

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VAFB stores hazardous waste in a secure storage building which is covered by a RCRA ISD and a State Permit. This storage building has a maximum storage capacity of eight hundred and thirty-two 55 gallon drums. VAFB also temporarily stores hazardous waste up to 90 days in a consolidated "super CAP" or in a few remaining CAPs. Except for a few wastestreams, all wastes from the CAPs are sent to the RCRA ISD storage facility prior to shipping to an authorized treatment or disposal facility. VAFB generates and stores annually approximately 130,000 pounds (lbs.) of spent halogenated solvents, 22,000 lbs. of spent non-halogenated solvents, 1,030 lbs. of spent cyanide, 155,000 lbs. of corrosive wastes, 450,000 lbs. of ignitable wastes, 61,000 lbs. of polychlorinated biphenyl (PCB) wastes, and metal wastes including 17,000 lbs. of chromium, 150 lbs. of arsenic, 115,000 lbs. of lead and 3000 lbs. of silver according to Table I-2 of VAFB's 1995 Part B RCRA Permit Application. These wastes are generated as a result of missile maintenance and operations, lubricating oil change, film processing, paint stripping, cleaning, and metal finishing and plating operations.

#### VIII. Observations:

On April 19, 1995 at approximately 0800 hours, Department inspectors Ortega and I arrived at VAFB's Environmental Management Office. We held a brief introduction and opening meeting with VAFB's Base Commander and Environmental officers, discussing the purpose of the visit and what we needed to see and do. I explained that this inspection would be basically the same as the previous years' inspections. I asked for consent to proceed with the inspection which was granted.

We caravanned to the AVS photo processing laboratory to inspect the silver recovery unit. We met with Jack Armstrong and Col. McAlister who led us into the basement and showed us the silver recovery unit. This system has been moved to a small room where the unit was originally located. VAFB is still hooking up the plumbing to this unit. There were steel wool canisters in series which are labeled as hazardous waste after they are removed from the system. The wastewater empties into a tank, with a plastic lid where the flow is measured. From the tank, the water is pumped into a 55-gallon drum which is sampled and labeled awaiting analysis. The contractor stated that this wastewater is non-hazardous approximately 90% of the time with levels of silver below 5 ppm. He stated there is a one to three week turnaround time for the sample results. There were approximately eight drums of wastewater stored outside of the room. Some were labeled as awaiting analysis. The steelwool canisters that were in the dark rooms have been removed and the waste is plumbed directly downstairs to the recovery unit.



We then drove to the new Hazmart Warehouse, where all hazardous products are managed and stored on the base. VAFB uses a "pharmacy" system whereby materials must be ordered by base personnel or contractors from Hazmart. Hazmart personnel then check out the requested amount of materials. All materials are bar-coded and tracked by Hazmart. Within two weeks all unused materials must be returned to Hazmart. VAFB stated that this system will cut down on improper management of hazardous materials and wastes and will cut down on disposal costs of out-dated retrograde materials stored at various generator locations. In back of the warehouse there are steel sheds where flammable materials and hazardous wastes, off-spec or expired shelf life materials, are stored.

We next went to the base hospital to inspect the x-ray machine's silver recovery unit which is conditionally exempt under tiered permitting. This unit was similar in operation to the unit at the AVS Laboratory but on a much smaller scale. Sergeant Fraser stated that one 15-gallon drum is filled and sent to the super CAP each week. This system lowers the silver content in the fixer solution from approximately 4500 ppm down to approximately 300 ppm. The treated fixer solution is sent off-site as hazardous waste.

We drove to the newly built "super CAP" where approximately 16 former CAPs have been consolidated. There were two large bays which were subdivided with containment berms. All of the required safety equipment was present. Outside of the south bay, there were two steel storage sheds. One had several containers that had just recently been received from satellite accumulation areas or from the household hazardous waste collection program. There were two 5-gallon containers which did not have hazardous waste labels. These containers were marked awaiting analysis. One container contained rifle bore cleaning solvent and the other contained waste oil. Since VAFB normally manages these wastes as hazardous wastes, I asked VAFB to label these containers immediately and the analyses can confirm the constituents. VAFB labeled the containers while we were there. There were several containers containing aerosol cans, which were labeled as flammable gas. Ortega instructed VAFB to label these containers as reactive solids since the gases are contained in metal cylinders or cans. VAFB wanted confirmation on this before changing the labels. The south bay contained a few hundred drums of flammables, acids, PCBs and other wastes. There were 3 drums containing a mixture of gasoline, diesel, coolant, oil and soap (see Attachment 4). I inquired why they would generate such a mixture. VAFB explained that this waste was generated at the transportation facility when they dismantle engines. When engines are damaged, often different fluids get mixed inside. VAFB stated they have tried to minimize this cross-contamination but some mixing is inevitable. VAFB does not intentionally mix any wastestreams. In the north bay, there were a few hundred drums of



toxic wastes, bases, ethylene glycol, grease and oil. We then went to the office to review Jacob Engineering's records, including training, weekly facility inspection logs, contingency plan and operating records, both a log and computer tracking system. All records inspected were adequate.

We next went to the transportation building to inspect the management practices of automotive fluids. Accumulation drums are stored outside of the building in a steel shed. The drums had spill-proof funnels in the bung holes. The approximately 2000 gallon used oil tank is no longer in use. Just west of the building there are 3 oil/water separators identified as # 10711 (2) and 10713. These numbers don't exist on the tiered permitting notification submitted to the Department, but one unit from the notification has been closed and one existing unit was over-looked at the time of notification (see Attachment 5). Therefore, there is only one additional unit, however, VAFB needed to submit 3 new/revised operating unit notifications and one closure notification. VAFB stated that this transportation building is new and clarifiers # 10711 have replaced a clarifier, # 10726, at the old transportation building which has been closed. VAFB did not notify the Department that this clarifier has been closed, nor have they notified the Department of clarifiers # 10711 and 10713. The 10711 clarifiers consist of four compartments each which are accessible by man-hole covers (see Attachment 6). VAFB opened the first and last covers on the southern # 10711 clarifier (see Attachment 3, Photo 1). Both compartments appeared to contain oily wastes (see Photo 12). VAFB has the sludge pumped out "when they determine it needs it" or approximately every two months. The final compartment drains via a 6" pipe directly into the sewer. The water level was approximately half way up the pipe opening so the surface wastewater was flowing into the pipe. Both compartments emitted heavy hydrocarbon odors. The sanitation district does not monitor sewer flow until it is off the base and diluted by hundreds of other sources. VAFB then opened clarifier # 10713 (see Photos 3 & 4). This was a single compartment clarifier with a board that catches the sludge. There was rust-colored sludge in this clarifier. There was no notification for this unit. VAFB stated that this unit was over-looked due to the construction of the transportation maintenance building.

Next, we went to clarifier # 10715 which is southeast of the transportation building (see Photo 5). This clarifier receives rinse water from heavy machinery (bull-dozer, etc.) washing. The first compartment of this clarifier was completely filled with sand. The second compartment was full of water which was slightly green and had no noticeable amount of oil. VAFB stated that this clarifier needs to be pumped every two weeks because the sand washed from the machinery fills the sump. Then we went to clarifier # 8425 which is being rebuilt and not yet in service (see

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Photo 6). This clarifier receives rinse water from washing portable generators.

We went to the printed circuitboard shop and met with Warren Ray and Scott Bonhoff who walked us through the plating and rinse water treatment systems. The gold and solder plating systems are close looped. The copper plating baths, however, are batch-treated in a de-plating machine. The copper level in the bath water is lowered from approximately 400 ppm to under 1 ppm in this system. VAFB has notified the Department that they are operating this unit under conditional authorization. The notification and contingency plan were posted. VAFB also performed sandblasting and painting at this shop. Outside of the building is a hazardous waste/material storage shed with one drum of hazardous waste.

Next, we went to the auto hobby shop and met Chuck Neil. We inspected a steel shed outside of the building used to store hazardous wastes and materials. Then we inspected oil/water separator # 6437. Also outside of the building there was a 2000 gallon used oil tank marked hazardous waste but with no hazardous waste label (see Photo 7). I told VAFB that this tank needs to be labeled as hazardous waste. Bodine told VAFB that the tank needs to be marked used oil. VAFB stated that they would label and re-mark the tank. The tank is emptied by Black Gold every 45-60 days. Inside the building there were two 55-gallon used oil accumulation drums with no labels. Neil stated that the drums are emptied into the tank at the end of each day. I told VAFB that the drums need to be labeled as hazardous waste but instead of an accumulation start date they could write "emptied daily". I checked the inspection logs which were adequate.

Finally, we went back to the Environmental Management Office and held a briefing and quickly went over the plans for the next day of inspection. We left the base at approximately 1700 hours.

On the second day of the inspection, we met US EPA inspector Diane Bodine and Master Sergeant Naputi at the main gate and then proceeded to meet at the Environmental Management Office at approximately 0830 hours. We held an opening briefing for the benefit of Bodine as well as to coordinate the day's inspection. Col. Van Mullem granted consent to continue the inspection.

We caravanned to the south base where we inspected the hypergolic stockpile storage facilities (HSSF). There was no hazardous waste at the oxidizer (nitrogen tetroxide) storage area and only 2 drums at the hydrazine storage area.

Then we went to the solid rocket motor (SRM) X-Ray facility and met with Darrel Sill and Greg Williams who showed us a diagram and then the actual silver recovery system. There are 2 parallel semi-



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closed loop systems each including a film developing machine which are used alternately each week for maintenance. Three waste streams come out of the developing machines including fixer (the hazardous component), developer and water. The fixer solution is run through a Rotex Ultra 12 silver recovery unit then through three 5-gallon steel wool canisters, three 30 gallon "Big Woolie" steel wool canisters and into one of two 6,000 gallon storage tanks along with the developer solution. The wastewater from these tanks is sampled and if determined to be non-hazardous, it is trucked and emptied into the SLC-6 evaporation ponds. This wastewater has never met hazardous characteristic criteria. The tiered permitting notification and contingency plan were posted above the unit.

Next we went to Space Launch Center - 6 (SLC-6). The former CAP was empty and no longer used. Across the driveway, we met Pete Cole who gave us a tour of the UV-ozone wastewater treatment facility. This facility has two treatment processes. The UV-ozone system treats wastewater contaminated by fuels for 16 hours to nondetectable limits. The treated water is sent to a white 90,000 gallon tank next to the evaporation ponds (see Photos 9 & 10), tested and either released into the ponds or re-treated. VAFB treats non-hazardous wastewater containing small amounts of hydrazine and is applying to the Department to treat up to 3% hydrazine. The other process uses a precipitation/reverse osmosis system (PROS) to treat metal-containing wastewater. This system has three by-products including approximately 80% recovered industrial water, brine water which is sent to the evaporation ponds, and hazardous waste filter cake. This facility started operation at the end of November, 1991. The two systems are fed from three tanks, # 503 (28,000 gallons), # 502 (22,000 gallons) and # 501 (22,000 gallons).

At approximately 1400 hours, we arrived at the RCRA ISD storage building and met with Tracy Cole from Defense Reutilization and Marketing Office (DRMO). There were several hundred containers in the ISD storage building and Ortega and I inspected nearly each container and label. VAFB had many drums stacked on third level shelves which could not be readily inspected. VAFB stated that most of these drums were empty and there usually is not this many containers at the facility. Ortega requested VAFB to lower 2 pallets with a forklift for inspection. Ortega and I found several drums which were marked empty though they contained pourable amounts, as much as 5 gallons, of waste (see Photo 11). I requested a ladder to inspect the rest of the third level drums. VAFB brought a rolling ladder from elsewhere on the base. I reviewed the operating and inspection logs and found them to be adequate. The contingency plan was posted on the wall with updated coordinators and phone numbers.

We returned to the Environmental Management Office to review

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records which were in the following order:

Part A - 1/19/95 Part A was present.

ISD - 12/18/81 ISD was present.

Operation Plan - 1/95 Revised operation plan (Part B) was present and adequate.

Waste Minimization Plan - Present and adequate.

Hazardous Waste Management Plan - Present.

Closure Plan - The closure plan included in the Part B was complete and adequate.

Annual Report - The 1994 annual report was present and adequate.

Spills & Releases Report - There were several reports of minor spills or releases. Ortega told VAFB that the reports should include the corrective measures taken and how the waste was containerized and disposed.

Tiered Permitting Notifications - VAFB did not submit notifications for two new oil/water separators and of an existing one that was over-looked. VAFB did not notify the Department that they closed an oil/water separator. I told VAFB to identify all of the past and present units and submit revised notifications. I also told VAFB to submit a new plot plan showing the location of each unit.

We held a debriefing meeting with VAFB's Environmental Management staff for the benefit of US EPA inspector Bodine as well as for VAFB.

On the third day of the inspection we met briefly at the Environmental Management Office at approximately 0800 hours and then went to the DRMO office to review records. Ortega and I reviewed all outgoing manifests generated since the last inspection, June 22, 1994. There was a discrepancy on one load that was initially rejected but was later received. VAFB provided a letter from the TSD clarifying the situation and confirming that the shipment was accepted (see Attachment 7). Ortega then reviewed the inspection logs for the tiered permitting units. Ortega told VAFB that the logs need to include measures and dates of correction of problems.

Ortega and I informed VAFB that we wanted to collect samples of one of the oil/water separators and requested VAFB's assistance. At approximately 1030 hours we arrived at the transportation building



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to collect the samples (see Section IX).

At approximately 1500 hours we returned to the Environmental Management Office. We held a closing meeting with VAFB and contractor staff to discuss concerns and potential violations found during the inspection (see Attachment 8).

IX. Sampling Summary and Laboratory Results:

At approximately 1030 hours on April 21, 1995 we prepared to collect samples. At approximately 1100 hours John Galp of VAFB collected samples # VA-LS-01 A & B and VA-LS-02 A & B. Galp used a Teflon pond dipper, provided by VAFB, to collect the samples and then split the samples into our 500 ml jars and VAFB's 1000 ml jars. I sealed the samples with evidence tape and Ortega photographed them (see Photo 13). The water was grey and cloudy but there was no distinct oil layer. The samples were placed in an ice chest in our van. The samples were locked in our van for the rest of the inspection and until we arrived at the Region 3 office. I placed the samples in the Department's sample refrigerator and locked it. On April 25, 1995, I drove the samples over to the Southern California Laboratory and transferred custody of the samples to Janice Wakakuwa (see Attachment 9).

Southern California Hazardous Materials Laboratory analyzed samples VA-LS-01 A and VA-LS-02 A using EPA method 6010 and did not detect levels of any metal above 1 mg/l (see Attachment 10, pages 1-3). The Southern California Lab also analyzed samples VA-LS-01 A and VA-LS-02 A for total recoverable petroleum hydrocarbons using SCL method 418. The levels of petroleum hydrocarbons, 56 mg/l and 47 mg/l, are below the Sanitation Districts limits of 100 mg/l (see Attachment 10, pages 4-8).

X. Unresolved Issues:

There are no unresolved issues. VAFB has updated the tiered permitting notifications including plot plans. VAFB changed the labels on the drums marked empty by the end of the inspection and has sent them to a TSDF as hazardous waste.

XI. Violations:

Count 1: Health and Safety Code (H&SC), section 25200.3 (f).

On or about April 19, 1995, VAFB failed to notify the Department in writing, not less than 60 days prior to commencing the first treatment, in that, VAFB is operating two new oil/water separators and one that was previously operating but was overlooked without notifying the Department.

Evidence: VAFB stated that units # 10711 were not notified because they were under construction at the time of notification. VAFB stated that the oil/water separator at the old transportation building has been dismantled along with the building. The Department has not received notifications of the two oil/water separators installed outside of the new transportation building # 10711. VAFB stated that they omitted oil/water separator # 10713 by mistake.

Compliance: VAFB has submitted notifications and plot plans for these new units. No further action is necessary.

Count 2: H&SC, section 25200.3 (h).

On or about April 19, 1995, VAFB failed to notify the Department in writing that VAFB has permanently ceased operation of a treatment unit and that all activities required under this section have been completed, in that, VAFB has ceased operation and has demolished the oil/water separator unit at the former transportation building.

Evidence: VAFB stated that the oil/water separator unit at the previous transportation building, identified as # 10726, has been closed. Two new units, identified as # 10711 have been installed at the new transportation building to take the place of the # 10726 unit.

Compliance: VAFB shall, within 15 days, submit to the Department a written notification that unit # 10726 has been decontaminated and closed.

## XII. Discussion With Management:

At approximately 1230 hours of the third day of inspection, Department inspectors met with VAFB's environmental management staff and contractor staff to discuss our concerns and potential violations. At the end of the closing meeting I provided VAFB with a copy of the Summary of Violations (see Attachment 8).


## XIII. Attachments:

1. Part A Application Submitted January 19, 1995 - 9 pages.
2. Maps of Vandenberg Air Force Base - 2 pages.
3. Photographs from April 19-21, 1995 inspection - 7 pages.
4. Hazardous Waste Profile - Automobile Fluids - 3 pages.

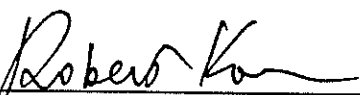
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5. List of Tiered Permitting Units - 1 page.
6. Diagram of Oil/Water Separator # 10711 - 1 page.
7. Letter from CWM to VAFB showing acceptance of load - 1 page.
8. Summary of Violations, certification of compliance and Split Sample Receipt - 5 pages.
9. Sample Analysis Request/Chain of Custody - 1 page.
10. Sample Results from April 21, 1995 sampling - 8 pages.
11. Tiered Permitting Checklist - 2 pages
12. EPA Inspection Checklist - 17 pages.

XIV. Signatures:

  
\_\_\_\_\_  
Larry Stuck  
Hazardous Substances Scientist  
Region 3 (Glendale)  
Statewide Compliance Division  
Department of Toxic Substances Control

5-26-95  
Date Submitted

  
\_\_\_\_\_  
Robert Kou  
Supervising Hazardous Substances Scientist I  
Region 3 (Glendale)  
Statewide Compliance Division  
Department of Toxic Substances Control

5-26-95  
Date Approved

ATTACHMENT 1

Part A Application Submitted January 19, 1995 - 8 pages.

For EPA Regional  
Use OnlyUnited States Environmental Protection Agency  
Washington, DC 20460For State  
Use Only

# Hazardous Waste Permit Application Part A

(Read the Instructions before starting)

Date Received

Month Day Year

I. ID Number(s)

A. EPA ID Number

B. Secondary ID Number (If applicable)

C A 9 5 7 0 0 2 5 1 4 9

II. Name of Facility

V A N D E N B E R G A I R F O R C E B A S E

III. Facility Location (Physical address not P.O. Box or Route Number)

A. Street

Street (continued)

City or Town

State

ZIP Code

V A N D E N B E R B A F B

C A 9 3 4 3 7 - 5 0 0 0

County Code  
(If known)

County Name

0 8 3

S A N T A B A R B A R A

B. Land Type

C. Geographic Location

D. Facility Existence Date

(enter code)

LATITUDE (degrees, minutes, &amp; seconds)

LONGITUDE (degrees, minutes, &amp; seconds)

Month Day Year

F

3 4 4 1 0 1 8

1 2 0 3 2 0 5 6

1 0 0 4 1 9 5 8

IV. Facility Mailing Address

Street or P.O. Box

3 0 S P W / E T B U I L D I N G 7 0 1 5

City or Town

State

ZIP Code

V A N D E N B E R G A F B

C A 9 3 4 3 7 - 6 0 2 1

V. Facility Contact (Person to be contacted regarding waste activities at facility)

Name (last)

(first)

V A N M I L L E M

L O U I S D

Job Title

Phone Number (area code and number)

C H I E F, E N V. M G M T

8 0 5 - 7 3 4 - 8 2 3 2

VI. Facility Contact Address (See Instructions)

A. Contact Address  
Location Mailing

B. Street or P.O. Box

X

City or Town

State

ZIP Code

EPA I.D. Number (enter from page 1)

C A 9 5 7 0 0 2 5 1 4 9

Secondary ID Number (enter from page 1)

## VII. Operator Information (see Instructions)

Name of Operator

V A N D E N B E R G A T R F O R C E B A S E

Street or P.O. Box

3 0 S P W / E T B U I L D I N G 7 0 1 5

City or Town

State

ZIP Code

V A N D E N B E R G A F B C A 9 3 4 3 7 - 6 0 2 1

Phone Number (area code and number)

8 0 5 - 7 3 4 - 8 2 3 2

B. Operator Type

F

C. Change of Operator Indicator

Yes

X

No

Date Changed

Month

Day

Year

1 0

0 4

5 8

## VIII. Facility Owner (see Instructions)

A. Name of Facility's Legal Owner

D E P A R T M E N T O F T H E A T R F O R C E

Street or P.O. Box

City or Town

State

ZIP Code

V A N D E N B E R G A F B C A 9 3 4 3 7 - 5 0 0 0

Phone Number (area code and number)

3 0 5 - 7 3 4 - 8 2 3 2

B. Owner Type

F

C. Change of Owner Indicator

Yes

X

No

Date Changed

Month

Day

Year

1 0

0 4

5 8

## IX. SIC Codes (4-digit, in order of significance)

Primary

9 7 1 1

(description)

NATIONAL SECURITY

Secondary

(description)

Secondary

(description)

Secondary

(description)

## X. Other Environmental Permits (see Instructions)

A. Permit Type  
(enter code)

B. Permit Number

C. Description

S E E  
A T T A C H M E N T A

EPA I.D. Number (enter from page 1)

Secondary ID Number (enter from page 1)

C A 9 5 7 0 0 2 5 1 4 9

## XI. Nature of Business (provide a brief description)

Vandenberg AFB is a National Defense Installation and is the headquarters for the 30th Space Wing, Air Force Space Command. Vandenberg AFB houses Department of Defense (DOD) and non-DOD government organizations along with civilian aerospace contractors that routinely participate in the launch of polar orbiting satellites, the testing of inter-continental ballistic missiles, and many other research and development, and space operations activities.

## XII. Process - Codes and Design Capacities

- A. **PROCESS CODE** - Enter the code from the list of process codes below that best describes each process to be used at the facility. Twelve lines are provided for entering codes. If more lines are needed, attach a separate sheet of paper with the additional information. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided in Item XIII.
- B. **PROCESS DESIGN CAPACITY** - For each code entered in column A, enter the capacity of the process.
1. **AMOUNT** - Enter the amount. In a case where design capacity is not applicable (such as in a closure/post-closure or enforcement action) enter the total amount of waste for that process unit.
  2. **UNIT OF MEASURE** - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.
- C. **PROCESS TOTAL NUMBER OF UNITS** - Enter the total number of units used with the corresponding process code.

PROCESS CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	UNIT OF MEASURE	UNIT OF MEASURE CODE
	<b>DISPOSAL:</b>			
D79	INJECTION WELL	GALLONS; LITERS; GALLONS PER DAY; OR LITERS PER DAY	GALLONS .....	G
D80	LANDFILL	ACRE-FEET OR HECTARE-METER	GALLONS PER HOUR .....	E
D81	LAND APPLICATION	ACRES OR HECTARES	GALLONS PER DAY .....	U
D82	OCEAN DISPOSAL	GALLONS PER DAY OR LITERS PER DAY	LITERS .....	L
D83	SURFACE IMPOUNDMENT	GALLONS OR LITERS	LITERS PER HOUR .....	H
	<b>STORAGE:</b>			
S01	CONTAINER (barrel, drum, etc.)	GALLONS OR LITERS	LITERS PER DAY .....	V
S02	TANK	GALLONS OR LITERS	SHORT TONS PER HOUR .....	D
S03	WASTE PILE	CUBIC YARDS OR CUBIC METERS	METRIC TONS PER HOUR .....	W
S04	SURFACE IMPOUNDMENT	GALLONS OR LITERS	SHORT TONS PER DAY .....	N
	<b>TREATMENT:</b>			
T01	TANK	GALLONS PER DAY OR LITERS PER DAY	METRIC TONS PER DAY .....	S
T02	SURFACE IMPOUNDMENT	GALLONS PER DAY OR LITERS PER DAY	POUNDS PER HOUR .....	J
T03	INCINERATOR	SHORT TONS PER HOUR; METRIC TONS PER HOUR; GALLONS PER HOUR; LITERS PER HOUR; OR BTU'S PER HOUR	KILOGRAMS PER HOUR .....	R
			CUBIC YARDS .....	Y
T04	OTHER TREATMENT	GALLONS PER DAY; LITERS PER DAY; POUNDS PER HOUR; SHORT TONS PER HOUR; KILOGRAMS PER HOUR; METRIC TONS PER DAY; METRIC TONS PER HOUR; OR SHORT TONS PER DAY	CUBIC METERS .....	C
	(Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundment or incinerators. Describe the processes in the space provided in Item XIII.)		ACRES .....	B
			ACRE-FEET .....	A
			HECTARES .....	Q
			HECTARE-METER .....	F
			BTU's PER HOUR .....	K

C A 9 5 7 0 0 2 5 1 4 9

## XII. Process - Codes and Design Capacities (continued)

EXAMPLE FOR COMPLETING ITEM XII (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

Line Number	A. PROCESS CODE (from list above)			B. PROCESS DESIGN CAPACITY		C. PROCESS TOTAL NUMBER OF UNITS	FOR OFFICIAL USE ONLY				
				1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)						
X 1	S	0	2	600	G	0	0	2			
X 2	T	0	3	20	E	0	0	1			
1	S	0	1	64,130	G	1	1	6			
2	S	0	2	72,000	G	0	0	3			
3	T	0	1	37		0	0	2			
4	T	0	4	500	J	0	0	1			
5											
6											
7											
8											
9											
10											
11											
12											

NOTE: If you need to list more than 12 process codes, attach an additional sheet(s) with the information in the same format as above. Number the lines sequentially, taking into account any lines that will be used for additional treatment processes in Item XIII.

## XIII. Additional Treatment Processes (follow instructions from Item XII)

Line Number (enter numbers in sequence with Item XII)	A. PROCESS CODE			B. TREATMENT PROCESS DESIGN CAPACITY		C. PROCESS TOTAL NUMBER OF UNITS	D. DESCRIPTION OF PROCESS		
				1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)				
4	T	0	4	500	J	0	0	1	Open detonation of explosives
	T	0	4						
	T	0	4						
	T	0	4						



EPA I.D. Number (enter from page 1)										Secondary ID Number (enter from page 1)													
C	A	9	5	7	0	0	2	5	1	4	9												

**XIV. Description of Hazardous Wastes**

- A. EPA HAZARDOUS WASTE NUMBER** - Enter the four-digit number from 40 CFR, Part 261 Subpart D of each listed hazardous waste you will handle. For hazardous wastes which are not listed in 40 CFR, Part 261 Subpart D, enter the four-digit number(s) from 40 CFR, Part 261 Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.
- B. ESTIMATED ANNUAL QUANTITY** - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE** - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

**D. PROCESSES**

**1. PROCESS CODES:**

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item XII A. on page 3 to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous waste: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item XII A. on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

**NOTE: THREE SPACES ARE PROVIDED FOR ENTERING PROCESS CODES. IF MORE ARE NEEDED:**

- Enter the first two as described above.
- Enter "000" in the extreme right box of Item XIV-D(1).
- Enter in the space provided on page 7, Item XIV-E, the line number and the additional code(s).

- 2. PROCESS DESCRIPTION:** If a code is not listed for a process that will be used, describe the process in the space provided on the form (D.(2)).

**NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER**- Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

- Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "Included with above" and make no other entries on that line.
- Repeat step 2 for each EPA Hazardous Waste Number that can be used to describe the hazardous waste.

**EXAMPLE FOR COMPLETING ITEM XIV** (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

Line Number	A. EPA HAZARD WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESS									
				(1) PROCESS CODES (enter)						(2) PROCESS DESCRIPTION (If a code is not entered in D(1))			
X 1	K 0 5 4	900	P	T	0	3	D	8	0				
X 2	D 0 0 2	400	P	T	0	3	D	8	0				
X 3	D 0 0 1	100	P	T	0	3	D	8	0				
X 4	D 0 0 2									Included With Above			

EPA I.D. Number (enter from page 1)

Secondary ID Number (enter from page 1)

C A 9 5 7 0 0 2 5 1 4 9

XIV. Description of Hazardous Wastes (continued)

Line Number	A. EPA HAZARDOUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES									
				(1) PROCESS CODES (enter)					(2) PROCESS DESCRIPTION (If a code is not entered in D(1))				
1	D 0 0 1	450,000	P	S	0	1							
2	D 0 0 2	155,000	P	S	0	1							
3	D 0 0 3	80,000	P	S	0	1							
4	D 0 0 4	150	P	S	0	1							
5	D 0 0 5	500	P	S	0	1							
6	D 0 0 6	90,000	P	S	0	1							
7	D 0 0 7	17,000	P	S	0	1							
8	D 0 0 8	115,000	P	S	0	1							
9	D 0 0 9	30,000	P	S	0	1							
10	D 0 1 0	500	P	S	0	1							
11	D 0 1 1	3,000	P	S	0	1							
12	D 0 1 8	45,000	P	S	0	1							
13	D 0 1 9	30	P	S	0	1							
14	D 0 2 2	1,250	P	S	0	1							
15	D 0 2 5	100	P	S	0	1							
16	D 0 2 6	200	P	S	0	1							
17	D 0 2 7	300	P	S	0	1							
18	D 0 2 9	1,000	P	S	0	1							
19	D 0 3 5	100	P	S	0	1							
20	D 0 3 9	350	P	S	0	1							
21	D 0 4 0	7,800	P	S	0	1							
22	F 0 0 1	130,000	P	S	0	1							
23	F 0 0 2	350,000	P	S	0	1							
24	F 0 0 3	7,500	P	S	0	1							
25	F 0 0 5	22,000	P	S	0	1							
26	F 0 0 8	1,030	P	S	0	1							
27	U 0 0 2	850	P	S	0	1							
28	U 0 1 2	15	P	S	0	1							
29	U 0 7 2	65	P	S	0	1							
30	U 0 7 5	50	P	S	0	1							
31	U 0 8 0	400	P	S	0	1							
32	U 1 2 2	250	P	S	0	1							
33	U 1 2 3	15,000	P	S	0	1							

Secondary ID Number (enter from page 1)

C	A	9	5	7	0	0	2	5	1	4	9
---	---	---	---	---	---	---	---	---	---	---	---

## XIV. Description of Hazardous Wastes (continued)

EPA Form 8700-23 (01-90)

EPA I.D. Number (enter from page 1)

Secondary ID Number (enter from page 1)

C A 9 5 7 0 0 2 5 1 4 9

## XIV. Description of Hazardous Waste (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 6.

Line  
Number

Additional Process Codes (enter)

## XV. Map

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in this map area. See instructions for precise requirements.

## XVI. Facility Drawing

All existing facilities must include a scale drawing of the facility (see instructions for more detail).

## XVII. Photographs

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

## XVIII. Certification(s)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Owner Signature

Date Signed

Name and Official Title (type or print)

Brig. Gen. Lance W. Lord, Commander 30th Space Wing

Operator Signature

Date Signed

Name and Official Title (type or print)

## XIX. Comments

The Defense Logistics Agency (DLA), Defense Reutilization and Marketing Office (DRMO) is the operator of one Hazardous Waste Management Unit - the Building 3300 Hazardous Waste Storage Building. A signed certification by a DLA official is provided in an appendix to this Application.

Note: Mail completed form to the appropriate EPA Regional or State Office. (refer to instructions for more information)

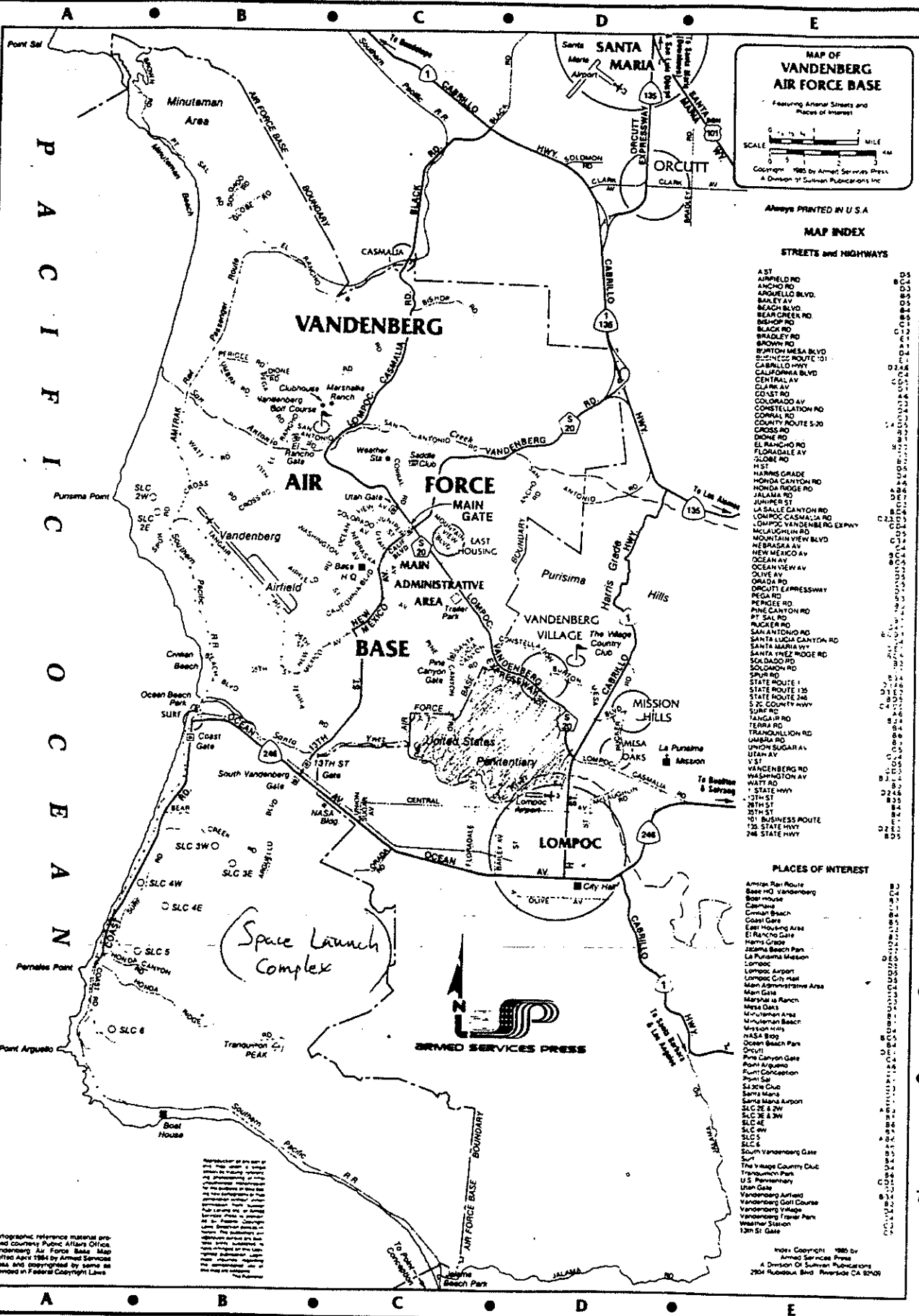
## ADDITIONAL INFORMATION

1. The information presented in this application covers the following existing or proposed hazardous waste treatment and/or storage units within the facility boundaries of Vandenberg Air Force Base (AFB). They are:
  - DRMO Storage Building
  - EOD Range
  - SLC-6 Industrial Wastewater Treatment Plant (IWTP)
2. Colonel Louis D. Van Mullem full telephone number at Vandenberg AFB is 805-734-8232, Ext. 6-0365.
3. 40 CFR 270.13(f). Vandenberg AFB is not located on indian land.
4. 40 CFR 270.13(l). The topographic maps within this application show the location of the various waste management units, water wells, monitoring wells, and surface waters within a mile of the Vandenberg AFB boundary. Surface waters are currently used for natural resource management purposes, and these activities are expected to continue.
5. 40 CFR 270.13(h2) Photographs of the various units described in the permit application are enclosed. All photographs in this permit application were taken on various days during the period of October - November 1992.

All maps and drawings required by this permit application are contained in the map pockets which follow.

ATTACHMENT 2

Maps of Vandenberg Air Force Base - 2 pages.



Cartographic reference material provided Courtesy Public Affairs Office, Vandenberg Air Force Base. Map drafted April 1984 by Armed Services Press and copyrighted by same as provided in Federal Copyright Laws.

Index Copyright © 1985 by Armed Services Press  
 A Division of Sullivan Publications  
 2804 Hubbard Blvd. Riverside CA 92506

[illegible]



ATTACHMENT 3

Photographs from April 19-21, 1995 inspection - 7 pages.

VAFB - April



Photo 1. by Carlos Ortega on 4/19/95.  
View east at clarifier (oil/water separator) # 10711  
located outside of the transportation maintenance  
building.

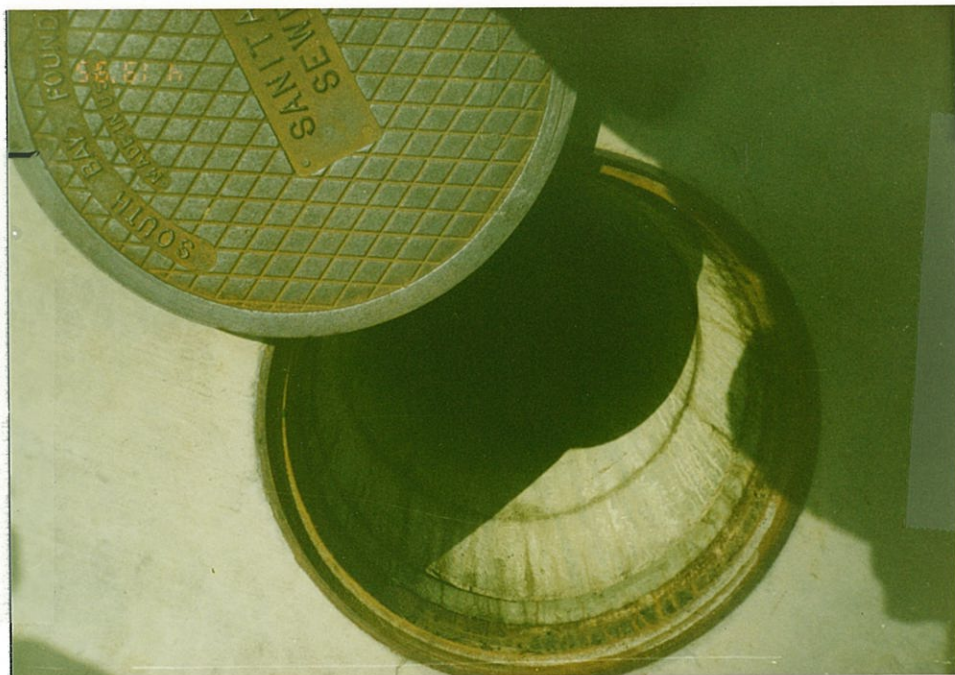


Photo 2. by Carlos Ortega on 4/19/95.  
View into the final chamber of clarifier # 10711.

VAFB - April 1995



Photo 3. by Carlos Ortega on 4/19/95.  
View east at clarifier (oil/water separator) # 10713  
located outside of the transportation maintenance  
building and south of number # 10711.



Photo 4. by Carlos Ortega on 4/19/95.  
View into the chamber of clarifier # 10713.



VAFB - April 1995



Photo 5. by Carlos Ortega on 4/19/95.  
View east at the second/final chamber of clarifier  
(oil/water separator) # 10715 located southeast of the  
transportation maintenance building.

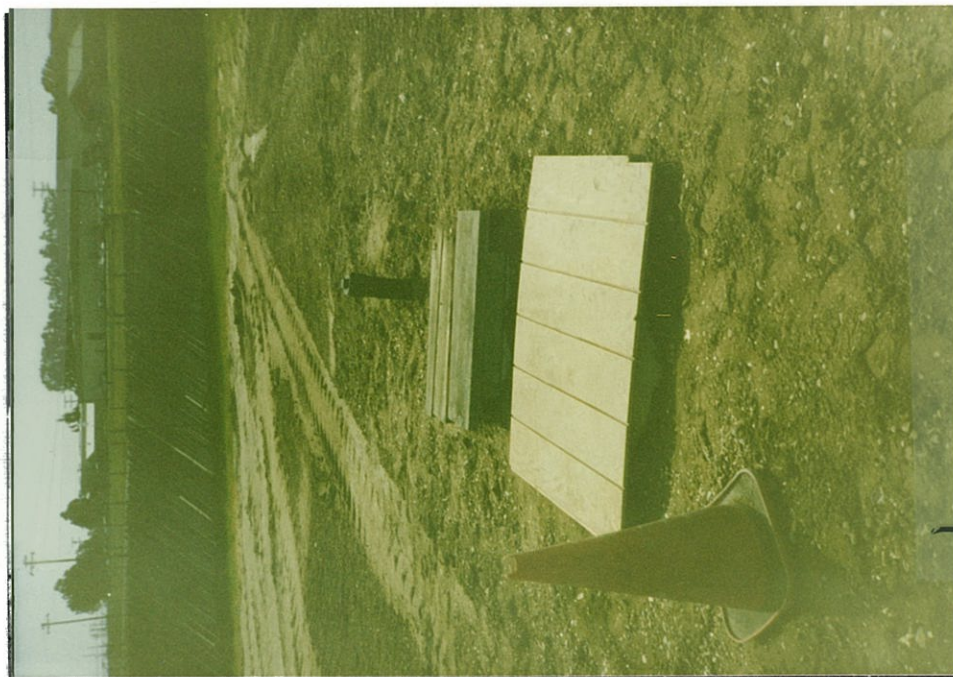


Photo 6. by Carlos Ortega on 4/19/95.  
View south at clarifier (oil/water separator) # 8425.  
Note unit is undergoing reconstruction and is not in  
use. This unit will treat portable generator wash  
water.

VAFB - April 1995



Photo 7. by Carlos Ortega on 4/19/95.  
View northwest at 2,000 gallon used oil tank at the  
auto hobby shop. Note there is no hazardous waste  
label.

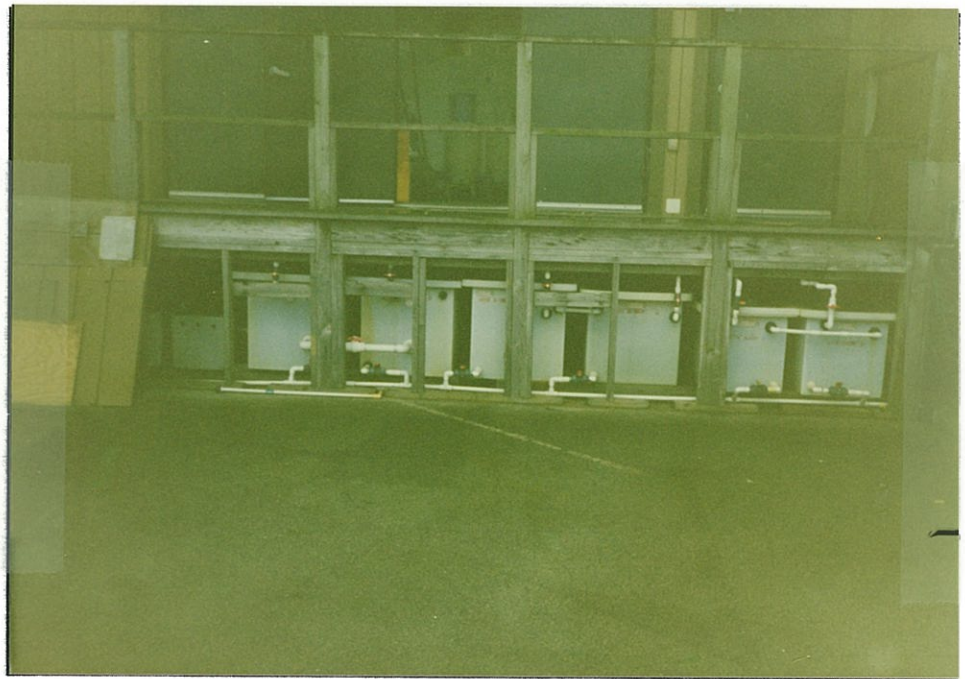


Photo 8. by Carlos Ortega on 4/20/95.  
View east at "sumps" collecting treated x-ray developer  
and fixer wastes at the SRM X-ray facility.



VAFB - April 1995



Photo 9. by Carlos Ortega on 4/20/95.  
View west at north evaporation pond at SLC-6.



Photo 10. by Carlos Ortega on 4/20/95.  
View south at north and south evaporation ponds at SLC-6.

VAFB - April 1995



Photo 11. by Carlos Ortega on 4/20/95.  
View north at four of several drums labeled as empty  
though they contained pourable quantities of hazardous  
waste.



Photo 12. by Carlos Ortega on 4/21/95.  
View into the final chamber of clarifier # 10711.



VAFB - April 1995



Photo 13. by Carlos Ortega on 4/21/95.  
View north at samples # VA-LS-01 A & B and AV-LS-02 A & B in front of clarifier # 10711 where they were collected.



ATTACHMENT 4

Hazardous Waste Profile - Automobile Fluids - 3 pages.

## HAZARDOUS WASTE PROFILE/RECEIPT SHEET

SP

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1. CONTAINER NUMBER TR-2-95-0649		2. CONTAINER TYPE 17E 1X56 Buns		3. ORIGINATING ORGANIZATION 30 TRNS		4. NFPA F- H- R-	
5. WEIGHT (LBS) 392		6. PROCEDURE USED 49 CFR Sect 172 TAB				9. HAZARD CLASS 3	
7. VOLUME (GALLONS) 46		8. WASTE STREAM IDENTITY CODE 001 / 062 .02,03,06,08 / 09					
10. DOT SHIPPING NAME WASTE FLAMMABLE LIQUIDS N.O.S. (Benzene)							
11. GENERATING PROCESS				12. SUPPLY ORGANIZATION NUMBER (DODACT) 539 HW			
13. START DATE OF CONTAINER 8 Mar 95				14. DATE CONTAINER SHIPPED			
15. HAZARDOUS WASTE NUMBER UNNA NUMBER UN 1993 EPA NUMBER D001 / D018 CA NUMBER C343				16. RECOVERABLE (YES/NO) NO (IF YES, NOTE "RECOVERABLE" AT TOP AND BOTTOM OF FORM)			
17. LIST COMPONENTS						HAZARD CLASS	CONCENTRATION
a. Waste Gasoline (Benzene)						3	15 %
b. Waste Diesel Fuel						3	10 %
c. Waste Engine Oil						NON RCRA	25 %
d. Waste Coolant (Ethylene Glycol)						NON RCRA	15 %
e. Waste Soap (Simple Green)						NON RCRA	15 %
f. Waste Transmission Fluid						NON RCRA	20 %
							%
							%
							%
NON HAZARDOUS							%
MUST TOTAL 100%							%
							100 %
18. WASTE PROPERTIES (CIRCLE ALL THAT APPLY) <input checked="" type="radio"/> TOXIC <input checked="" type="radio"/> REACTIVE <input checked="" type="radio"/> CORROSIVE <input checked="" type="radio"/> IRRITANT <input type="radio"/> COMBUSTIBLE <input type="radio"/> REACTIVE <input type="radio"/> SENSITIZER <input type="radio"/> CARCINOGEN							
19. PHYSICAL STATE <input type="checkbox"/> SOLID <input checked="" type="checkbox"/> LIQUID <input type="checkbox"/> SLUDGE <input type="checkbox"/> GAS							
20. PERSONNEL PROTECTIVE EQUIPMENT CLOSED CONTAINER - USE APPROPRIATE HANDLING EQUIPMENT. EXPOSURE TO SUBSTANCE <input checked="" type="checkbox"/> GLOVES <input checked="" type="checkbox"/> GOGGLES <input checked="" type="checkbox"/> BOOTS <input type="checkbox"/> OTHER							
REMARKS: THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED; AND ARE IN CONDITION FOR TRANSPORTATION IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF DOT, EPA, AND THE STATE OF CALIFORNIA.							
ORIGINATOR 30 TRNS				RECEIVED BY (CAP)			
ORGANIZATION/COMPANY 30 TRNS / LGTM				PRINT NAME			
P. NUMBER/ELDG NUMBER 62798 / 10713				SIGNATURE Richard W. Wertz			
NAME Kelly D Keehler				DATE			
SIGNATURE Kelly D Keehler							
DATE 11A 95							

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## HAZARDOUS WASTE PROFILE/RECEIPT SHEET

P.K

1. CONTAINER NUMBER TR-2-95-0416		2. CONTAINER TYPE 17E 1X55 Bung		3. ORIGINATING ORGANIZATION 30 TRNS		4. NFPA F- H- R-	
5. WEIGHT (LBS) 278		6. PROCEDURE USED 49 CFR Sect 172 TAB				9. HAZARD CLASS 3	
7. VOLUME (GALLONS) 35		8. WASTE STREAM IDENTITY CODE 001 / 062 .02,03,06,08 / 09					
10. DOT SHIPPING NAME WASTE FLAMMABLE LIQUIDS N.O.S. (Benzene)							
11. GENERATING PROCESS				12. SUPPLY ORGANIZATION NUMBER (DODACT) 539 HW			
13. START DATE OF CONTAINER 13 Feb 95				14. DATE CONTAINER SHIPPED			
15. HAZARDOUS WASTE NUMBER UNNA NUMBER UN 1993 EPA NUMBER D001 / D018 CA NUMBER C343				16. RECOVERABLE (YES/NO) (IF YES, NOTE "RECOVERABLE" AT TOP AND BOTTOM OF FORM)			
17. LIST COMPONENTS							
				HAZARD CLASS		CONCENTRATION	
A. Waste Gasoline				3		15 %	
B. Waste Diesel Fuel				3		15 %	
C. Waste Engine Oil				NON RCRA		25 %	
D. Waste Coolant (Ethylene Glycol)				NON RCRA		15 %	
E. Waste Soap (Simple Green)				NON RCRA		10 %	
F. Waste Transmission Fluid				NON RCRA		20 %	
G.							
H.							
I.							
J.							
K. NOUN NAME/ NONHAZARDOUS							
* MUST TOTAL 100%						100 %	
18. WASTE PROPERTIES (CIRCLE ALL THAT APPLY)							
<input checked="" type="checkbox"/> TOXIC <input checked="" type="checkbox"/> FLAMMABLE <input checked="" type="checkbox"/> CORROSIVE/IRRITANT <input type="checkbox"/> COMBUSTIBLE <input type="checkbox"/> REACTIVE <input type="checkbox"/> SENSITIZER <input type="checkbox"/> CARCINOGEN							
19. PHYSICAL STATE							
<input type="checkbox"/> SOLID <input checked="" type="checkbox"/> LIQUID <input type="checkbox"/> SLUDGE <input type="checkbox"/> GAS							
20. PERSONNEL PROTECTIVE EQUIPMENT							
CLOSED CONTAINER - USE APPROPRIATE HANDLING EQUIPMENT.							
EXPOSURE TO SUBSTANCE <input checked="" type="checkbox"/> GLOVES <input checked="" type="checkbox"/> GOGGLES <input checked="" type="checkbox"/> BOOTS <input type="checkbox"/> OTHER							
REMARKS: THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED; AND ARE IN CONDITION FOR TRANSPORTATION IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF DOT, EPA, AND THE STATE OF CALIFORNIA.							
ORIGINATOR 30 TRNS				RECEIVED BY (CAP)			
ORGANIZATION/COMPANY 30 TRNS / LGTM				PRINT NAME			
PHONE NUMBER/ ELDG NUMBER 66880 / 1800				SIGNATURE Richard L. Norwig			
DATE 11 APR 95				DATE 4/11/95			

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## HAZARDOUS WASTE PROFILE/RECEIPT SHEET

CP

1. CONTAINER NUMBER <b>TR-2-95-0393</b>	2. CONTAINER TYPE <b>17E 1X55 Bung</b>	3. ORIGINATING ORGANIZATION <b>30 TRNS</b>	4. NFPA F- H- R-
WEIGHT (LBS) <b>45.5 LBS</b>	6. PROCEDURE USED <b>49 CFR Sect 172 TAB</b>		
VOLUME (GALLONS) <b>50 GAX</b>	8. WASTE STREAM IDENTITY CODE <b>023 / 062 02, 03, 06, 08, 09</b>	9. HAZARD CLASS <b>3</b>	

10. DOT SHIPPING NAME

**Waste Flammable Liquids N.O.S. (Benzene, Toluene)**

11. GENERATING PROCESS

12. SUPPLY ORGANIZATION NUMBER (DODACT)

**539 HW**

13. START DATE OF CONTAINER

**9 Feb 94**

14. DATE CONTAINER SHIPPED

**4-7-95**

15. HAZARDOUS WASTE NUMBER

UNNA NUMBER **UN 1993**EPA NUMBER **D001 D018**CA NUMBER **C343**

16.

RECOVERABLE (YES/NO) **NO**

(IF YES, NOTE "RECOVERABLE" AT TOP AND BOTTOM OF FORM.)

17. LIST COMPONENTS

HAZARD CLASS

CONCENTRATION

A. **Waste Gasoline (Benzene)****3****20 %**B. **Waste Engine Oil****NON RCRA****25 %**C. **Waste Transmission Fluid****NON RCRA****20 %**D. **Waste Coolant (Ethylene Glycol)****NON RCRA****20 %**E. **Waste Soap (Simple Green)****NON RCRA****15 %**

F

**%**

G

**%**

H

**%**

I

**%**

J

**%**

NOUN NAME/ NONHAZARDOUS

**1 %**

\*MUST TOTAL 100%

**100 %**

18. WASTE PROPERTIES (CIRCLE ALL THAT APPLY)

**TOXIC****FLAMMABLE****CORROSIVE****COMBUSTIBLE****REACTIVE****SENSITIZER****CARCINOGEN**

19. PHYSICAL STATE

☐ SOLID☒ LIQUID☐ SLUDGE☐ GAS

20. PERSONNEL PROTECTIVE EQUIPMENT

CLOSED CONTAINER - USE APPROPRIATE HANDLING EQUIPMENT.

EXPOSURE TO SUBSTANCE

☒ GLOVES☒ GOGGLES☒ BOOTS☐ OTHER

REMARKS: THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED; AND ARE IN CONDITION FOR TRANSPORTATION IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF DOT, EPA, AND THE STATE OF CALIFORNIA.

ORIGINATOR

**30 TRNS**

ORGANIZATION/COMPANY

**30 TRNS / LGTM**

PHONE NUMBER/ELDG NUMBER

**68209 / 10711**

NAME

SIGNATURE

**George Davis**

DATE

**7 APR 95**

RECEIVED BY (CAP)

PRINT NAME

**M. RANA**

SIGNATURE

**M. Rana**

DATE

**4-7-95**

ATTACHMENT 5

List of Tiered Permitting Units - 1 page.

## Conditionally Authorized

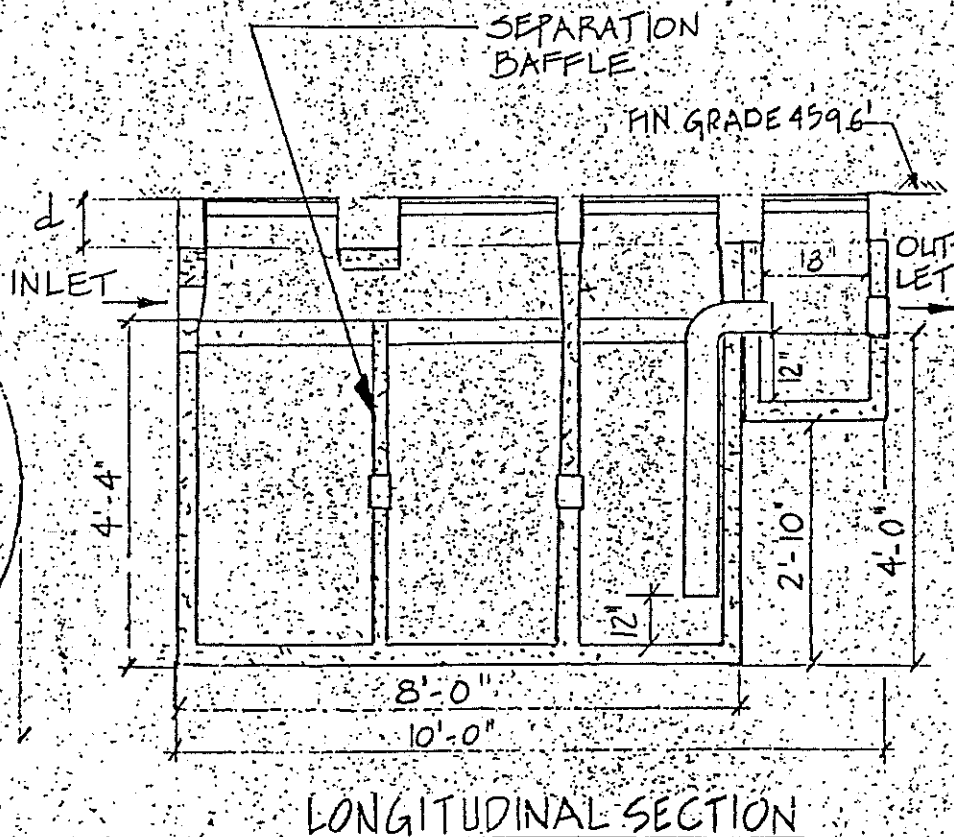
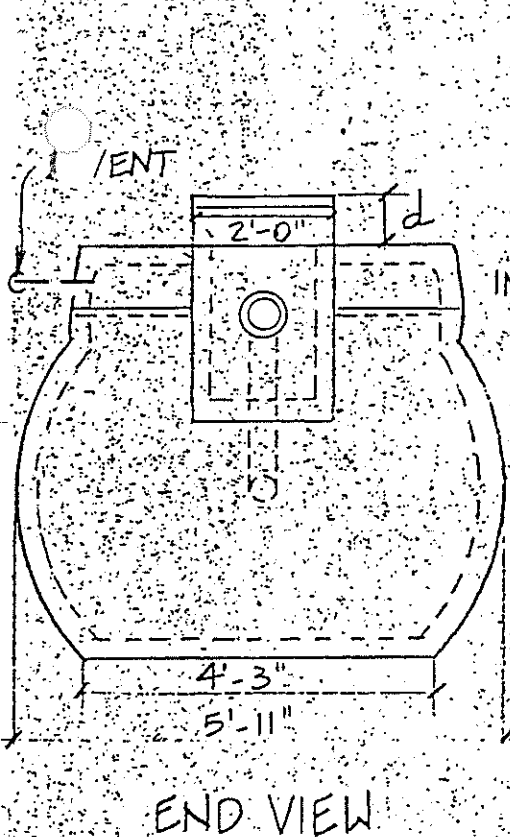
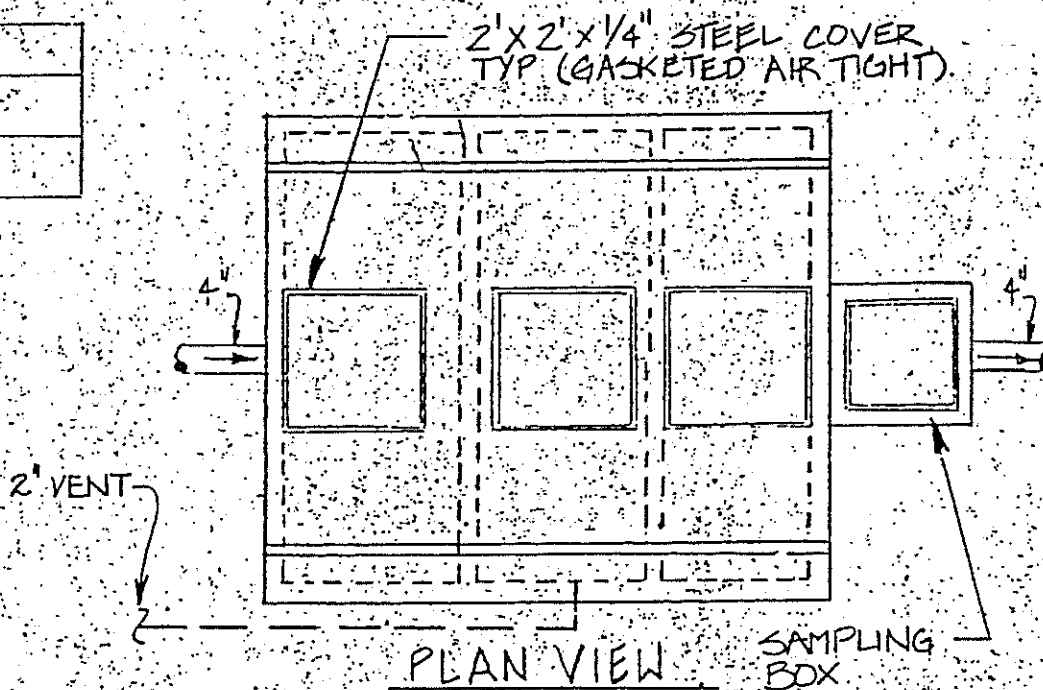
#	Units Authorized	Units on VAFB	Location	Notified to DTSC
1	525	525	Power Plant	yes
2	1705	1705	Flight line, Fuel Storage	yes
3	1725	1725	Flight line, Det 8	yes
4	1731	1731	Flight line, Air Field Road	yes
5	1783	1783	Power Plant #1	yes
6	1856	1856	Power Plant #2	yes
7	6437	6437	Auto Hobby Shop	yes
8	7438	7438	LockMart, Main Base	yes
9	8425	8425	Field Power	yes
10	10600	10600	BX Service Station	yes
11	10601	10601	BX Car Wash	yes
12	10702	10702	30 TRNS, Car Wash	yes
13	10715	10715	30 CE, Pavement and Grounds	yes
will closure 14	<u>10726</u>	Old transp facility	30 TRNS, Motor Pool	yes (submitted twice, page 24 and 28)
15		10713	30 TRNS, Heavy Equipment	no
16		10711 <sup>2 units A, B</sup>	30 TRNS, Motor Pool	no (New 30 TRNS Motor Pool building)
16	9320PCBS		Printed Circuit Board	yes
17	946		SRM X-Ray Facility	yes
Silver recovery { 18	9340		30 AVS, Silver Recovery Unit	yes
			Hospital	yes

- Application signed by Col Abel, 3 Mar 93; Pages 1 of 64
  - Two forms submitted for building 10726 in the application
  - Building 10713 was not submitted (occupied by 30 TRNS)
  - Building 10711, new 30 TRNS building completed Dec 93, replaced building 10726, demolished Feb 94
- Bldg #8425 needs a permit modification due to recent upgrade of the unit. Permit allows for 500 pounds/month treatment.

ATTACHMENT 6

Diagram of Oil/Water Separator # 10711 - 1 page.

T-1	4.85 FT
T-4	5.25 FT



# CLARIFIER

NOT TO SCALE

8

4-1, P-1, P-3, P-4 P-2



ATTACHMENT 7

Letter from CWM to VAFB showing acceptance of load -  
1 page.



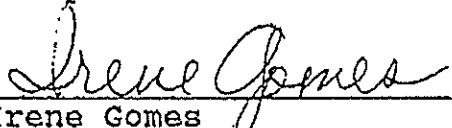
## M E M O R A N D U M

Date: APRIL 26, 1995  
To: BENNY ROMERO  
From: IRENE GOMES  
Subject: MANIFEST # 93183184

=====

On December 22, 1994 we received waste from DRMO Vandenberg. This waste was rejected the same date. On December 23, 1994 the waste was brought back to our facility and was again rejected.

On December 29, 1994 the same waste was brought in and was accepted as indicated on manifest #93183184.

  
Irene Gomes  
Record Supervisor

30th Space Wing Vandenberg AFB CA  
Environmental Management

Violation/Observation # 7

ATTACHMENT 8

Summary of Violations, certification of compliance and Split  
Sample Receipt - 5 pages.

## DEPARTMENT OF TOXIC SUBSTANCES CONTROL

1 N. GRANDVIEW AVENUE  
GLENDALE, CA 91201  
(818) 551-2800



## SUMMARY OF VIOLATIONS

On 4/19-21/95, the Department of Toxic Substances Control, California Environmental Protection Agency, conducted an inspection at:

facility name: Vandenberg Air Force Base  
facility address:

EPA ID Number: CA 95700 25149  
county name: Santa Barbara

As a result of that inspection, the violations of hazardous waste laws, regulations, and requirements listed on the attached pages were discovered. All violations must be corrected; the actions you must take to correct the violations are listed with each violation. If you disagree with any of the violations or proposed corrective actions listed in this Summary of Violations, you should inform the Department. If you disagree with any of the violations listed in Section I, you must give the inspector who issued this Summary of Violations a written notice of disagreement.

You must correct the violations listed in Section I, Minor Violations, within times specified. You must sign the statement certifying compliance at the bottom of Section I and return it to the Department at the address provided by 5-21-95. A false statement that compliance has been achieved is a violation of the law and punishable by a fine of not less than \$2,000 or more than \$25,000 for each violation. The Department may reinspect this facility at any time.

The Department will provide you a complete inspection report within 65 days of the date of this inspection. You may request a meeting with the Department to discuss the inspection or the findings of the report. The issuance of this Summary of Violations does not preclude the Department from taking administrative, civil, or criminal action as a result of the violations noted in the Summary of Violations or that have not been corrected within the time provided in Section I.

Authorized Company Representative\*

Authorized State Agent

Name Louis D. Van MuncumName Larry StuckTitle Chief, Env. MgmtTitle Hazardous Substances ScientistSignature [Signature]Signature Larry StuckDate 4-21-95Date 4-21-95

## SUMMARY OF VIOLATIONS

Facility Name:

Date: 4-21-95

### Section I MINOR VIOLATIONS

Within five working days of achieving compliance, you are required to sign the certification below, and return it to the Department at the above address.

Failure to correct the violations and certify compliance within the time provided may result in the Department taking additional enforcement action for these violations.

- 1) VAFB did not notify of closure of 3 oil/water separators.

Within 15 days, VAFB shall notify the Department that these units are or will be closed and will initiate or complete closure under Tierrel-Permitting requirements.

- 2) VAFB did not notify the Department of 3 new oil/water separators.

Within 15 days, VAFB shall send Tierrel-Permitting notifications to the Department for the 3 new oil/water separators.

- 3) VAFB mis-labeled several containers as empty when they, in fact, contained pourable amounts of wastes.

Within 5<sup>working</sup> days, VAFB shall re-inspect all containers marked "empty" re-label and properly manage all containers containing pourable amounts of wastes.

I certify under penalty of law that the above corrective actions have been taken and the violations have been corrected. I am aware that there are significant penalties for submitting false information.

Signed \_\_\_\_\_

Date \_\_\_\_\_

Title \_\_\_\_\_

## SUMMARY OF VIOLATIONS

Facility Name:

Date: 4-21-95

continuation sheet for Section I, Minor Violations.

### Observations:

- 1) Part A lists EOD capacity in pounds per hour.
- 2) There was no HW label on the used oil tank at the hobby shop.
- 3) There was no HW label on the oil accumulation drum at the hobby shop.
- 4) Two five-gal buckets did not have HW labels at the "Super CAP" 1) rifle bore solvent  
2) used oil
- 5) Several containers labeled as aerosol cans, flammable ~~liquid~~ gas were mis-labeled. The proper description is reactive, solid.
- 6) There was a concern about the oil/water separators at the transportation building meeting wastewater discharge requirements. (samples were collected)
- 7) One manifest had a discrepancy about a load rejection.
- 8) There were no inspection records for oil/water separators #s 7438, 8425, 525, ~~9330~~ 6437.

## DEPARTMENT OF TOXIC SUBSTANCES CONTROL

1011 N. GRANDVIEW AVENUE  
GLENDALE, CA 91201  
(818) 551-2800



## SPLIT SAMPLE RECEIPT

Received from representatives of the Department of Toxic Substances Control on 4-21-95,  
a requested sample split from samples acquired under the authority of Section 66272.1, Title 22,  
California Code of Regulations.

The samples are numbered as follows:

- |                             |           |
|-----------------------------|-----------|
| 1. <u>VA-LS-01A &amp; B</u> | 6. _____  |
| 2. <u>VA-LS-02A &amp; B</u> | 7. _____  |
| 3. _____                    | 8. _____  |
| 4. _____                    | 9. _____  |
| 5. _____                    | 10. _____ |

Signatures:

Louis D. Van Maccan  
Facility Representative (print and sign)

Jean D. Van Maccan

Larry Stuck, Larry Stuck  
DTSC Representative (print and sign)

## SUMMARY OF VIOLATIONS

Facility Name:

Date: 4-21-95

## Section I MINOR VIOLATIONS

Within five working days of achieving compliance, you are required to sign the certification below, and return it to the Department at the above address.

Failure to correct the violations and certify compliance within the time provided may result in the Department taking additional enforcement action for these violations.

1) VAFB did not notify of closure of 3 oil/water separators.

Within 15 days, VAFB shall notify the Department that these units are or will be closed and will initiate or complete closure under Tierrel-Permitting requirements.

2) VAFB did not notify the Department of 3 new oil/water separators.

Within 15 days, VAFB shall send Tierrel-Permitting notifications to the Department for the 3 new oil/water separators.

3) VAFB mis-labeled several containers as empty when they, in fact, contained pourable amounts of wastes.

Within 5 <sup>working</sup> days, VAFB shall re-inspect all containers marked "empty" re-label and properly manage all containers containing pourable amounts of wastes.

I certify under penalty of law that the above corrective actions have been taken and the violations have been corrected. I am aware that there are significant penalties for submitting false information.

Signed *[Signature]*Date 18 MAY 1995Title Chief Environmental Mgmt



ATTACHMENT 9

Sample Analysis Request/Chain of Custody - 1 page.

HAZARDOUS MATERIALS SAMPLE ANALYSIS REQUEST		1. Authorization Number		HML No.		2. Page	
		S C K 2 5 0 5		To		1 of 1	
3. Requester: <u>Larry Stuck</u>		4. Phone (818) <u>531-2930</u>		5. Priority Level: 1 <u>(2)</u> 3			
Address (To Receive Results): <u>1011 N. Grandview Ave, Glendale CA 91201</u>				a. Authorized by _____			
6. Date Sampled <u>4-21-95</u>		7. Time Sampled <u>1100</u> • Hours		8. Codes (fill in all applicable codes)			
9. Activity: <input checked="" type="checkbox"/> SEB <input type="checkbox"/> SMB <input type="checkbox"/> FPB <input type="checkbox"/> FMB <input type="checkbox"/> HQ <input type="checkbox"/> OTHER				a. STC <u>3 0 3 0</u>			
10. SAMPLING LOCATION <u>CA 9 5 7 0 0 2 5 1 4 9</u>				b. Region <u>0 3</u>			
a. EPA ID No.				c. INDEX <u>6 3 1 0</u>			
b. Site <u>Vandenberg AFB</u>				d. PCA <u>3 7 0 1 5</u>			
c. Address <u>806 13th Street, Suite 1 Vandenberg AFB 93437</u>				e. MPC <u>1</u>			
Number Street City Zip				f. SITE <u>3 0 0 2 4 4</u>			
				g. County <u>O.C. 07</u>			
11. SAMPLES							
a. ID	b. Collector's No.	c. Lab No.	Sample d. Type	Container e. Type	f. Size	g. Field Information	
A	<u>VA-LS-01 A</u>	<u>14695</u>	<u>waste water</u>	<u>glass</u>	<u>500ml</u>		
B	<u>VA-LS-02 A</u>	<u>14696</u>	<u>waste water</u>	<u>glass</u>	<u>500ml</u>		
C							
D							
E							
F							
G							
H							
12. ANALYSIS REQUESTED							
a. <input type="checkbox"/> pH		f. <input type="checkbox"/> VOA-8020		i. <input type="checkbox"/> Flash Point			
b. <input checked="" type="checkbox"/> Metal Scan <u>A &amp; B</u>		g. <input type="checkbox"/> VOA-H/S		m. <input type="checkbox"/> C1-Pesticides			
c. <input type="checkbox"/> Metals (Spec)		h. <input type="checkbox"/> VOA-8240		n. <input type="checkbox"/> OP-Pesticides			
d. <input type="checkbox"/> W.E.T.		i. <input type="checkbox"/> VOA-8260		o. <input checked="" type="checkbox"/> TRPH <u>A &amp; B</u>			
e. <input type="checkbox"/> VOA-8010		j. <input type="checkbox"/> SVO-8270		p. <input type="checkbox"/>			
		k. <input type="checkbox"/> Diesel/Gasoline		q. <input type="checkbox"/>			
13. SPECIAL REMARKS:							
14. SUPPLEMENTAL REQUESTS							
15. CHAIN OF CUSTODY							
a. <u>Larry Stuck</u>		<u>Larry Stuck / Hazardous Substances Scientist</u>		<u>4/21/95 4/25/95</u>			
b. <u>James W. Kakawa</u>		<u>James W. Kakawa / PHEC</u>		<u>4/25/95 1</u>			
c. <u></u>		<u></u>		<u>1 - 1</u>			
d. <u></u>		<u></u>		<u>1 - 1</u>			
16. LAB REMARKS:							

ATTACHMENT 10

Sample Results from April 21, 1995 sampling - 8 pages.

LABORATORY REPORT

Hazardous Materials Laboratory - Southern California  
1449 W. Temple Street  
Los Angeles CA, 90026-5698  
Telephone 213-580-5795 Fax 580-5717

To : Larry Stuck

Date: May 5, 1995

Sample Location :

Vandenberg AFB  
806 13th Street, Suite J  
Vandenberg AFB 93437

Analytical Procedures Used : EPA SW 846 methods 6010

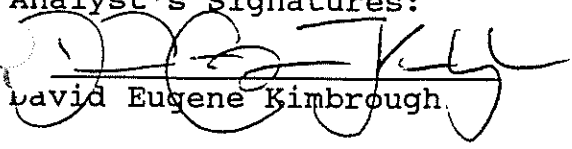
---

Analysis Results in Mg/L

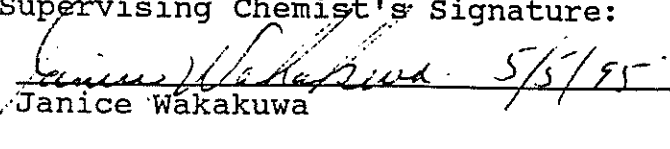
Field #	Lab #	Barium
VALS01A	14695	1
VALS02A	14696	<1

Note: Antimony, arsenic, chromium, cobalt, copper, lead, molybdenum, nickel, silver, thallium, vanadium, and zinc were not detected in quantities greater than 1.0 mg/L. Beryllium, cadmium, and selenium were not detected in quantities greater than 0.1 mg/L.

Analyst's Signatures:

  
David Eugene Kimbrough

Supervising Chemist's Signature:

  
Janice Wakakuwa

# Quality Control Report for Calibration

Hazardous Materials Laboratory - Southern California  
1449 W. Temple Street, Los Angeles CA 90026-5698  
Telephone 213-580-5795 FAX 580-5717

To : Larry Stuck

SCL No.: 14695 - 14696

Analytical Procedures Used: EPA SW 846 method 6010

	Reagent Blank	Calibration Check		Reporting Limit Check	
		Expected Range	Found	Expected Range	Found
Units	ppm	mg/L	mg/L	mg/L	mg/L
Silver	<1.0	36 - 44	43	1.6 - 0.4	1.3
Arsenic	<1.0	36 - 44	43	1.6 - 0.4	1.1
Barium	<1.0	36 - 44	42	1.6 - 0.4	1.1
Beryllium	<0.1	7.2 - 8.8	8.3	0.16 - 0.04	0.10
Cadmium	<0.1	7.2 - 8.8	8.5	0.16 - 0.04	0.12
Cobalt	<1.0	36 - 44	8.5	1.6 - 0.4	1.2
Cromium	<1.0	36 - 44	43	1.6 - 0.4	1.2
Copper	<1.0	36 - 44	43	1.6 - 0.4	1.2
Molybdenum	<1.0	36 - 44	42		
Nickel	<1.0	36 - 44	43	1.6 - 0.4	1.2
Lead	<1.0	36 - 44	42	1.6 - 0.4	1.1
Antimony	<1.0	36 - 44	41		
Selenium	<0.1	7.2 - 8.8	8.0	0.16 - 0.04	0.06
Thallium	<1.0	36 - 44	43	1.6 - 0.4	1.3
Vanadium	<1.0	36 - 44	43	1.6 - 0.4	1.1
Zinc	<1.0	36 - 44	44	1.6 - 0.4	1.2

Analyst's Signature

Supervisors Signature

DEPARTMENT OF TOXIC SUBSTANCES CONTROL  
HAZARDOUS MATERIALS LABORATORY - SOUTHERN CALIFORNIA  
1449 W. TEMPLE STREET, LOS ANGELES, CA., 90026  
TELEPHONE (213) 580-5795

## CASE NARRATIVE

1. THIS ANALYTICAL REPORT PACKAGE WAS PREPARED FOR SCL SAMPLES 14695,14696

2. SAMPLES WERE COLLECTED ON 04/21/95 AT VANDENBERG AFB

3. COLLECTOR'S NAME ON THE SAMPLE ANALYSIS REQUEST FORM IS LARRY STUCK

4. SAMPLES WERE :

RECEIVED ON 04/25/95 BY HAZARDOUS MATERIALS LABORATORY-SO. CAL.

EXTRACTED ON 05/03/95 - 05/04/95 BY SCL METHOD 418 (TPH BY IR)

ANALYZED ON 05/05/95 - 05/05/95 BY SCL METHOD 418

NOTE: SCL = HAZARDOUS MATERIALS LABORATORY - SO. CAL.

DATA PACKAGE WAS COMPLETED ON 05/08/95

5. DURING THE COURSE OF THESE ANALYSES, NO PROBLEM WAS ENCOUNTERED.

6. QC PARAMETERS/INDICATORS WERE WITHIN CONTROL LIMITS.

7. HOLDING TIME WAS MET.

8. INSTRUMENT INITIAL CALIBRATION & CONTINUING CALIBRATION CRITERIA WERE MET.



DEPARTMENT OF TOXIC SUBSTANCES CONTROL  
HAZARDOUS MATERIALS LABORATORY - SOUTHERN CALIFORNIA  
1449 W. TEMPLE STREET, LOS ANGELES, CA., 90026  
TELEPHONE (213) 580-5795

INDEX

(SCL 418 FOR SCL 14695 & 14696)

	PAGE -----
1. CASE NARRATIVE	1
2. INDEX	2
3. HAZARDOUS MATERIALS SAMPLE ANALYSIS REQUEST FORMS	3
4. LABORATORY ANALYTICAL REPORT(S)	4
5. QC REPORT FOR a. Method Blank b. Method Standard Recovery c. Laboratory Control Sample c. Sample Duplicate Analysis	5
6. QC REPORT FOR Matrix Spike / Matrix Spike Duplicate Recovery	6

TOTAL PAGES = 6

HAZARDOUS MATERIALS SAMPLE ANALYSIS REQUEST		1. Authorization Number S C K 2 5 0 5		HML No. To		2. Page 1 of 1	
3. Requester: <u>Larry Stuck</u> Address (To Receive Results): <u>1011 N. Grandview Ave, Glendale CA 91201</u>				4. Phone (818) <u>551-2930</u>			
6. Date Sampled <u>4-21-95</u>				7. Time Sampled <u>1100</u> • Hours			
9. Activity: <input checked="" type="checkbox"/> SEB <input type="checkbox"/> SMB <input type="checkbox"/> FPB <input type="checkbox"/> FMB <input type="checkbox"/> HQ <input type="checkbox"/> OTHER				8. Codes (fill in all applicable codes)			
10. SAMPLING LOCATION <u>CA 9570025149</u> a. EPA ID No.				a. STC <u>3030</u>			
b. Site <u>Vandenberg AFB</u>				b. Region <u>03</u>			
c. Address <u>806 13th Street, Suite J Vandenberg AFB 93437</u> Number Street City Zip				c. INDEX <u>6310</u>			
				d. PCA <u>37015</u>			
				e. MPC <u>1</u>			
				f. SITE <u>300244</u>			
				g. County <u>O.C. 07</u>			
11. SAMPLES							
a. ID	b. Collector's No.	c. Lab No.	d. Type	e. Type	f. Size	g. Field Information	
A	VA-LS-01 A	14695	waste water	glass	500 ml		
B	VA-LS-02 A	14696	waste water	glass	500 ml		
C							
D							
E							
F							
G							
H							
12. ANALYSIS REQUESTED							
a. <input type="checkbox"/> pH	f. <input type="checkbox"/> VOA-8020	i. <input type="checkbox"/> Flash Point					
b. <input checked="" type="checkbox"/> Metal Scan <u>A &amp; B</u>	g. <input type="checkbox"/> VOA-H/S	m. <input type="checkbox"/> C1-Pesticides					
c. <input type="checkbox"/> Metals (Spec)	h. <input type="checkbox"/> VOA-8240	n. <input type="checkbox"/> OP-Pesticides					
d. <input type="checkbox"/> W.E.T.	i. <input type="checkbox"/> VOA-8260	o. <input checked="" type="checkbox"/> TRPH <u>A &amp; B</u>					
e. <input type="checkbox"/> VOA-8010	j. <input type="checkbox"/> SVO-8270	p. <input type="checkbox"/>					
	k. <input type="checkbox"/> Diesel/Gasoline	q. <input type="checkbox"/>					
13. SPECIAL REMARKS:							
14. SUPPLEMENTAL REQUESTS							
15. CHAIN OF CUSTODY							
a. <u>Larry Stuck</u> Signature	<u>Larry Stuck / Hazardous Substances Scientist</u> Name/Title	<u>4/21/95</u> Inclusive Dates					
b. <u>Janice Wakakura</u> Signature	<u>Janice Wakakura / PHEC</u> Name/Title	<u>4/25/95</u> Inclusive Dates					
c. _____ Signature	_____ Name/Title	_____ Inclusive Dates					
d. _____ Signature	_____ Name/Title	_____ Inclusive Dates					
16. LAB REMARKS:							

4

LABORATORY REPORT  
DEPARTMENT OF TOXICS SUBSTANCES CONTROL  
HAZARDOUS MATERIALS LABORATORY - SOUTHERN CALIFORNIA  
1449 WEST TEMPLE STREET, LOS ANGELES, CA., 90026  
TELEPHONE (213) 580-5795

Collector's Name: LARRY STUCK

SCL NO: 14695, 14696

Sample Location: VANDENBERG AFB  
806 13TH STREET, SUITE J  
VANDENBERG AFB 93437

DATE REPORTED: 05/08/95

Analytical Procedures Used: SCL METHOD 418-TOTAL PETROLEUM HYDROCARBONS BY IR

**TPH ANALYSIS**

				QUANTITATION LIMIT	
ANALYTE	SCL NO.	14695	14696	14695	14696
	COL. NO.	VA-LS-01A	VA-LS-02A		
	MATRIX	WATER	WATER		
	UNITS	MG/L	MG/L	MG/L	MG/L
TOTAL PETROLEUM HYDRCARBONS		56	47	3.0	2.5

NOTE: ND = NOT DETECTED

QUANTITATION LIMIT =  
(CONCENTRATION OF LOWEST CALIBRATION STANDARD) TIMES (DILUTION FACTOR)

SAMPLE PREPARATION:

ANALYST:

SUPERVISING CHEMIST:

Faina Goretsky  
FAINA GORETSKY

5-19-95  
DATE

Faina Goretsky  
FAINA GORETSKY

5-19-95  
DATE

Russ Chin  
RUSS CHIN

5/19/95  
DATE

QUALITY CONTROL (QC) REPORT  
 DEPARTMENT OF TOXICS SUBSTANCES CONTROL  
 HAZARDOUS MATERIALS LABORATORY - SOUTHERN CALIFORNIA  
 1449 WEST TEMPLE STREET, LOS ANGELES, CA., 90026  
 TELEPHONE (213) 580-5795

PAGE 1 OF 2

COLLECTOR'S NAME : LARRY STUCK

DATE SAMPLE RECEIVED: 04/25/95

SAMPLING LOCATION: VANDENBERG AFB  
 806 13TH STREET, SUITE J VANDENBERG AFB 93437

DATE SAMPLE PREPARED: 05/03/95 - 05/04/95

ANALYTICAL BATCH LAB ID NO.: SCL 14695, 14696

DATE SAMPLE ANALYZED: 05/05/95 - 05/05/95

ANALYTICAL PROCEDURES USED: SCL METHOD 418 TPH ANALYSIS BY IR

## QC REPORT FOR

A: METHOD BLANK  
 B: METHOD STANDARD RECOVERY  
 C: LABORATORY CONTROL SAMPLE - NOT APPLICABLE  
 D: SAMPLE DUPLICATE ANALYSIS

COMPOUND	A	B		C	
	METHOD BLANK	METHOD STANDARD		LABORATORY CONTROL SAMPLE	
		RECOVERY	CONTROL LIMIT	Found	Control limit
	MG/L	%	%	MG/L	MG/L
TPH	<2.5	95.5	NDY	-	-

D			
DUPLICATE SAMPLE ANALYSIS			
Performed on 14695		Matrix WATER	
		RUN 1	Run 2
		MG/L	MG/L
		RPD	
		%	
TPH		57.7	55.0
CONTROL LIMIT		20	

NOTE:

NDY = NOT DETERMINED YET

SAMPLE PREPARATION:

ANALYST:

SUPERVISING CHEMIST

*Faina Goretsky*  
 FAINA GORETSKY

*5-19-95*  
 DATE

*Faina Goretsky*  
 FAINA GORETSKY

*5-19-95*  
 DATE

*Russ Chin*  
 RUSS CHIN

*5/19/95*  
 DATE

QUALITY CONTROL (QC) REPORT  
 DEPARTMENT OF TOXIC SUBSTANCES CONTROL  
 HAZARDOUS MATERIALS LABORATORY - SOUTHERN CALIFORNIA  
 1449 WEST TEMPLE STREET, LOS ANGELES, CA., 90026  
 TELEPHONE (213) 580-5795

PAGE 2 OF 2

COLLECTOR'S NAME :LARRY STUCK

DATE SAMPLE RECEIVED:04/25/95

SAMPLING LOCATION: VANDENBERG AFB 806 13TH STREET,SUITE J

DATE SAMPLE PREPARED:05/03/95 - 05/04/95

VANDENBERG AFB 93437.

ANALYTICAL BATCH LAB ID NO.: SCL 14695,14696

DATE SAMPLE ANALYZED:05/05/95 - 05/05/95

ANALYTICAL PROCEDURES USED: SCL METHOD 418 TPH ANALYSIS BY IR

QC REPORT FOR  
 MATRIX SPIKE(MS)/MATRIX SPIKE DUPLICATE(MSD) PERCENT RECOVERY

MATRIX SPIKE PERFORMED ON 14696

TYPE OF MATRIX WATER

TYPE OF SPIKE 4000 MG/L TPH0194ML-11

COMPOUND	AMOUNT OF ANALYTE IN SAMPLE	AMOUNT ANALYTE ADDED	MATRIX SPIKE		MATRIX SPIKE DUPLICATE		AVE % REC	CONTROL LIMITS FOR % REC	R % D BETWEEN MS/MSD	CONTROL LIMITS FOR RPD
			AMOUNT RECOVERED	% REC	AMOUNT RECOVERED	% REC				
	MG/L	MG/L	MG/L	%	MG/L	%	%	%	%	%
TOTAL PETROLEUM HYDROCARBONS	47.0	80.0	131	104	125	96.4	100	NDY	7.6	0 - 20

NOTE: NDY = NOT DETERMINED YET

SAMPLE PREPARATION

ANALYST:

SUPERVISING CHEMIST:

*Faina Goretsky*  
 FAINA GORETSKY

*5-19-95*  
 DATE

*Faina Goretsky*  
 FAINA GORETSKY

*5-19-95*  
 DATE

*Russ Chin*  
 RUSS CHIN

*5/19/95*  
 DATE

ATTACHMENT 11

Tiered Permitting Checklist - 2 pages.



## DEPARTMENT OF TOXIC SUBSTANCES CONTROL

REGION 2-700 Heinz Avenue  
Berkeley, CA 94710



CHECKLIST AND INITIAL VERIFICATION INSPECTION REPORT FOR  
Permit by Rule, Conditionally Authorized, and Conditionally Exempt Notifiers

FACILITY NAME: Vandenberg Air Force Base EPA ID NUMBER: CA 9570025149  
 PHYSICAL ADDRESS: \_\_\_\_\_  
 FACILITY CONTACT-NAME: Louis D. Van Mullem Col. PHONE: \_\_\_\_\_  
 SIC CODE(S): \_\_\_\_\_ INSPECTION DATE: April 19-21, 1995 LOCAL # \_\_\_\_\_

NOTIFIED UNIT COUNT:	PBR	CA	CESW	CESQT	TOTAL
CORRECT UNIT COUNT:	PBR	CA	CESW	CESQT	TOTAL

This checklist and inspection report identify violations of state law regarding onsite treaters of hazardous waste, operating under an onsite permitting tier. This inspection verifies the information provided on form 1772. It also covers generator requirements, although a separate checklist may be used for those requirements. A checkmark indicates violation of the law, which are explained in more detail on the attached note sheets. The governing laws are the Health and Safety Code (HSC) and Title 22 of the California Code of Regulations (22 CCR).

## Generator Standards:

Each inspection agency may use their own generator inspection checklist or protocols, which are summarized below. A full evaluation of each item or document is not conducted during the Verification Inspection, unless serious deficiencies are suspected.

NO

- ☐ 1. Contingency plan has been prepared (adequately minimize releases, has alarm/communication system, lists emergency equipment and phone numbers for emergency coordinators).
- ☐ 2. Written training documents and records prepared for employees handling hazardous waste.
- ☐ 3. Meet container management standards (storage time limits, closed, labelled, compatibility, inspected weekly, in good condition, with ignitables/reactives 50 feet from property line).
- ☐ 4. Meet tank management standards (either secondary containment or integrity assessments, plus storage time limits, labelled, compatibility, inspected daily, in good condition, with ignitables/reactives 50 feet from property line).
- ☐ 5. All wastes are properly identified.

Treatment Items-Facility Wide: (Facility must submit a revised Form 1772 to correct errors or omissions.)

- ☒ 6. All units under PBR, CA, and CE are properly indicated on Form DTSC 1772. (Add any new units with unit sheets or correct tier on the unit sheet.)
- ☐ 7. All generator identification information on Form DTSC 1772 is correct.
- ☒ 8. The submitted plot plan/map adequately shows the location of all regulated units.
- ☐ 9. There are records documenting compliance with sewer agency pretreatment standards and industrial waste discharge requirements, where applicable.

## For CA or PBR notifiers:

- ☐ 10. The generator has an annual waste minimization certification. (PBR submit with renewals.)

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

REGION 2-700 Heinz Avenue

Berkeley, CA 94710



CHECKLIST AND INITIAL VERIFICATION INSPECTION REPORT FOR  
Permit by Rule, Conditionally Authorized, and Conditionally Exempt Notifiers  
UNIT SHEET

Complete one unit sheet for each unit either listed in the notification or identified during the inspection.

Unit Number: \_\_\_\_\_ Unit Name: \_\_\_\_\_  
Notified Tier: \_\_\_\_\_ Correct Tier: \_\_\_\_\_

Notified Device Count: \_\_\_\_\_ Tanks \_\_\_\_\_ Containers \_\_\_\_\_  
Correct Device Count: \_\_\_\_\_ Tanks \_\_\_\_\_ Containers \_\_\_\_\_

For all Units:

NO

- 11. All hazardous wastes treated are generated onsite.
- 12. The unit notification information is accurate as to the number of tank(s) or container(s).
- 13. The estimated notification monthly treatment volume is appropriate for the indicated tier.
- 14. The waste identification/evaluation is appropriate for the tier indicated.
- 15. The wastestream(s) given on the notification form are appropriate for the tier.
- 16. The treatment process(es) given on the notification form are appropriate for the tier.
- 17. The residuals management information on the form is correct and documented for the unit.
- 18. The indicated basis for not needing a federal permit on the notification form is correct.
- 19. There are written operating instructions and a record of the dates, volumes, residual management, and types of wastes treated in the unit.
- 20. There is a written inspection schedule (containers-weekly and tanks-daily).
- 21. There is a written inspection log of the inspections conducted.
- ☒ 22. If the unit has been closed, the generator has notified DTSC and the local agency of the closure.

For each CA or PBR unit:

- 23. The generator has secondary containment for treatment in containers.

For each PBR unit:

- 24. There is a waste analysis plan
- 25. There are waste analysis records.
- 26. There is a closure plan for the unit.

Unit Comments/Observations: (If this is a unit that was not included on the notification form, the violation is operating without a permit-HSC 25201(a).)

ATTACHMENT 12

EPA Inspection Checklist - pages.

## GENERATOR/INTERIM STATUS INSPECTION CHECKLIST

Facility Name Vandenberg Air Force Base ID No. CA 9570025149  
 Facility Address 30 SPW/ET, 806 13th Street, Suite J  
 Date(s) Inspected 4/19-21/95 Inspected By Larry Stuck

All items listed below are included in the inspection, unless lined out to indicate the item was not evaluated.

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**NOTE:**

- o The violations cited below are from California Health and Safety Code, Sections 25100 et seq. and Title 22, California Code of Regulations.
- o Check mark notes a Violation.
- o Sections marked [I] apply to IS units, [G] apply to Generators, [T] apply to Transporters, [I/G] apply to IS and Generator activities.
- o RCRIS violation codes are given in parentheses at the end of each violation (e.g. DGS). Codes beginning with the letter D apply to IS violations; those beginning with the letter G apply to generator violations.

**I. UNAUTHORIZED OPERATIONS [I/G]**

Hazardous Waste Determination [G]

- 1\_ 66262.11 Failed to determine if waste is hazardous by testing the waste or applying knowledge of characteristics or excluded from regulation. (GGR)

Identification Number [I/G]

- 2\_ 66265.11 No EPA Number to treat, store, dispose, transport or transfer HW. (DGS)
- 3\_ 66262.12(a) Generator treated, stored, disposed of, transported, or offered for transportation HW without receiving an identification Number. (GGR)
- 4\_ 66262.12(c) Generator offered HW to transporter or TSDF that had not received an identification Number. (GGR)

Unauthorized Disposal, Statement & Transportation

- 5\_ 25189.5(a) Disposed or induced disposal of HW at unauthorized point. (DGS)
- 6\_ 25189.2(a) Made false statement(s) in application, label, manifest, record, report, permit or other document. (DGS)
- 7\_ 25201(a) Disposed HW without a permit or authorization. (DGS)
- 8\_ 25163(a) Transported HW or transferred HW to a transporter without valid registration issued by DTSC. (GOR)
- 9\_ 66263.23(b) Delivered HW to an unauthorized point.(GOR)

### Unauthorized Storage & Treatment [G]

- 10\_\_ 25201(a) & 66262.34(c) Storage of onsite HW in tanks or containers for more than 90 days without a permit or authorization. (DGS)
- 11\_\_ 25201(a) Storage of onsite HW in tanks exceed 5,000 gal/45,000 lb. or aggregate 50,000 gal without permit or authorization. (DGS)
- 12\_\_ 25201(a) Storage of offsite HW in tanks or containers for any time without permit or authorization. (DGS)
- 13\_\_ 25201(a) Storage of onsite HW in containers less than 5,000 gal and the aggregate exceeds 50,000 gal (not tanks) without permit or authorization. (DGS)
- 14\_\_ 25201(a) Storage of HW in other than containers or tanks without permit or authorization. (DGS)
- 15\_\_ 25201(a) & 66263.18 Storage of HW at a transfer facility greater than 144 hours without permit or authorization. (DGS)
- 16\_\_ 25201(a) Treatment of HW without a permit or authorization. (DOR)

### Part A/B of Permit Application [I]

- 17\_\_ 66265.1(c) Facility failed to file Part A. (DGS)
- 18\_\_ 66265.1(c)(1) Facility managed HW not specified in Part A. (DGS)
- 19\_\_ 66265.1(c)(2) Employed processes not described in Part A. (DGS)
- 20\_\_ 66265.1(c)(3) Exceeded design capacities specified in Part A. (DGS)
- 21\_\_ 66265.2 Failed to submit a request for changes in the facility to the Department and/or failed to implement the approved changes according to a schedule of compliance [see also section 66270.72]. (DGS)
- 22\_\_ 66270.10(e)(2) Failed to submit Part B by required deadline. (DPB)

## II. WALKTHROUGH OBSERVATIONS

### Security [I] (See Guidance, Appendix "Container Management Area")

- 23\_\_ 66265.14(b) Inadequate security measures at active portion of facility to control unauthorized entry. (DGS)
- 24\_\_ 66265.14(c) Failed to post "Danger Hazardous Waste Area - Unauthorized Personnel Keep Out" sign(s) at each entrance to active portions of the facility. (DGS)
- 25\_\_ 66265.14(c) Posted sign(s) illegible at 25 feet distance and/or not written in English, Spanish and other applicable languages. (DGS)



Preparedness and Prevention [I/G] (See Guidance, Appendix: "Container Management Area")

- 26\_\_ 66265.31 Facility not maintained or operated to minimize possibility of fire explosion, or release of HW or HW constituents to air, soil, or surface water which could threaten human health or the environment. (DCP/GOR)
- 27\_\_ 66265.32(a) Facility not equipped with internal communications or alarm system. (DPP/GOR)
- 28\_\_ 66265.32(b) Facility not equipped with a device (i.e. telephone or two-way radio) capable of calling outside emergency help. (DPP/GOR)
- 29\_\_ 66265.32(c) Facility not equipped with portable fire extinguisher, fire control equipment, spill control equipment, and/or decontamination equipment. (DCP/GOR)
- 30\_\_ 66265.32(d) Facility not equipped with water at adequate volume and pressure to supply water hose streams, foam producing equipment, or automatic sprinklers. (DCP/GOR)
- 31\_\_ 66265.33 Failed to test and maintain all communications or alarm systems, fire protection, spill control, or decontamination equipment. (DPP/GOR)
- 32\_\_ 66265.34 No immediate access to emergency communication and/or alarm system during HW handling. (DPP/GOR)
- 33\_\_ 66265.35 Failed to maintain adequate aisle space. (DPP/GOR)
- 34\_\_ 66265.37 No arrangements made with police, fire department, emergency response, local hospital, Office of Emergency Service, and/or emergency response contractors. (DPP/GOR)

Use and Management of Containers [I/G] (See Guidance, Appendix: "Container Violations" and "Container Management Area")

- 35\_\_ 66265.171 Failed to transfer HW from containers not in good condition or leaking to containers in good condition. (DMC/GOR)
- 36\_\_ 66265.172 Failed to use container or liner that was compatible with HW to be stored or transferred. (DMC/GOR)
- 37\_\_ 66265.173(a) Failed to keep containers of HW closed except when adding or removing HW. (DMC/GOR)
- 38\_\_ 66265.173(b) Handled container of HW in a manner which may cause it to rupture or leak. (DMC/GOR)
- 39\_\_ 66265.174 Failed to inspect areas where containers are stored or transferred at least weekly, looking for leaking containers and deterioration of containers and containment system. (DGS/GOR)
- 40\_\_ 66265.176 Failed to locate ignitable or reactive waste at least 15 meters (50 feet) from the facility's property line. (DMC/GOR)

- 41\_\_ 66265.177(a) Incompatible wastes or wastes and materials were placed in the same container without complying with 66265.17(b). (DMC/GOR)
- 42\_\_ 66265.177(b) Placed HW in unwashed container that previously held incompatible waste or material. (DMC/GOR)
- 43\_\_ 66265.177(c) Container of HW which was incompatible with any other waste or material stored nearby in other containers, tanks, waste piles, or surface impoundments was not separated or protected by a berm or other device. (DMC/GOR)

Pre-Transport Requirements [G] (See Guidance, Appendix: "Container Violations")

- 44\_\_ 66262.30 Failed to package HW per DOT (49 CFR Parts 173, 178, 179) before offering HW for transportation offsite. (GPT)
- 45\_\_ 66262.31 Failed to label each package of HW per DOT (49 CFR Part 172) before offering HW for transportation offsite. (GPT)
- 46\_\_ 66262.32 Failed to mark each package of HW with shipping name, ID#, ORM designation (label <110 gal) per DOT (49 CFR Part 172) before offering HW for transportation offsite. (GPT)
- 47\_\_ 66262.33 Failed to ensure the transport vehicle is correctly placarded per DOT (49 CFR Part 172, Subpart F) for hazardous materials before offering HW for transportation offsite. (GPT)
- 48\_\_ 66262.34(e)(1) Accumulated HW in containers at point of generation (e.g. satellite accumulation area) beyond quantity or time limits. (GPT)
- 49\_\_ 66262.34(e)(3) Failed to mark container of HW at point of generation (i.e. satellite accumulation area) with the date quantity limit reached, within 3 days of reaching the limit. (GPT)
- 50\_\_ 66262.34(f)(1) Failed to mark accumulation start on each container on each container and portable tank in the 90-day accumulation area. (GPT)
- 51\_\_ X 66262.34(f)(2) Failed to mark the 90 days accumulation date period begins for each container and tank. (GPT)
- 52\_\_ X 66262.34(f)(3) Failed to label each container and tank of HW with words "Hazardous Waste". (GPT)
- 53\_\_ X 66262.34(f)(3) Failed to label containers and portable tanks of HW with composition and physical state of HW, hazardous properties, and name and address of generator. (GPT)

Contaminated Containers [G] (See Guidance, section XVIII)

- 54\_\_ 66261.7(f) Container or inner liner > 5 gal. not marked with date emptied and managed pursuant to 66261.7(e) within one year of date emptied. (GOR)
- 55\_\_ 66261.7(p) Containers or inner liners of containers containing HW which are not "empty" per 66261.7(b) or (d) are not managed as HW. (GOR)

**Tanks [I/G] (See Guidance, section VII)**

**Existing systems (installed before 7/14/86):**

- 56\_\_ 66265.191(a) Failed to determine whether tank is leaking or unfit and keep written integrity assessment certified by registered professional engineer for tanks without secondary containment. (DTR/GOR)
- 57\_\_ 66265.191(b) Assessment failed to determine whether tank system is adequately designed, of sufficient structural strength, and compatible with HW. (DTR/GOR)
- 58\_\_ 66265.191(d) If found to be leaking or unfit for use, failed to comply with 66265.196. (DTR/GOR)

**New tank systems (installed after 7/14/86):**

- 59\_\_ 66265.192 Failed to obtain or retain onsite the required written assessment and certification statements for design and installation of new tank systems. (DTR/GOR)

**Requirements for all Tank systems:**

- 60\_\_ 66265.193 Failed to provide required secondary containment. [refer to guidance document for compliance dates] (DTR/GOR)
- 61\_\_ 66265.194(a) Placed HW or treatment reagents in tank system which caused the tank, containment system or ancillary equipment to leak, corrode, rupture, or fail. (DTR/GOR)
- 62\_\_ 66265.194(b) Failed to use controls and practices to prevent spillage and overflows from tank system. (DTR/GOR)
- 63\_\_ 66265.194(b)(3) Failed to maintain sufficient freeboard (60 cm/2 ft) in uncovered tanks to prevent overtopping. (DTR/GOR)
- 64\_\_ 66265.195(a) Failed to conduct daily inspection of tanks for following: discharge control equipment, corrosion, releases, monitoring and leak detection data, construction materials and secondary containment areas, and level of waste in uncovered tanks. (DTR/GOR)
- 65\_\_ 66265.195(b) Failed to inspect cathodic protection systems (if present) and sources of impressed current as appropriate. (DTR/GOR)
- 66\_\_ 66265.195(c) Failed to maintain results of tank inspections in the operating record (ISD only). (DTR)
- 67\_\_ 66265.196 Failed to remove from service immediately a tank system or secondary containment system that had leaked or spilled. (DTR/GOR)
- 68\_\_ 66265.197(a) During closure of tank system, failed to remove or decontaminate all waste residues, contaminated tank system, soils and structures; and failed to manage them as HW. (DTR/GOR)
- 69\_\_ 66265.197(c) When facility closed a tank system that lacked required secondary containment, they failed to include closure and contingent post-closure plans (ISD only). (DTR)

- 70\_\_ 66265.198(a) Stored or treated ignitable or reactive waste in tanks so as to cause the waste to ignite or react. (DTR/GOR)
- 71\_\_ 66265.198(b) Failed to comply with buffer zone requirements for tanks containing ignitable or reactive wastes per NFPA "Flammable and Combustible Liquids Code." (DTR/GOR)
- 72\_\_ 66265.199(a) Stored incompatible wastes in same tank without complying with 66265.17(b). (DTR/GOR)
- 73\_\_ 66265.199(b) Placed HW in non-decontaminated tanks that previously held an incompatible waste or material without complying with 66265.17(b). (DTR/GOR)
- 74\_\_ 66265.200(a) Failed to conduct waste analysis and bench scale tests or obtain appropriate documented information on similar waste before tank system is used to treat or store HW substantially different. (DTR/GOR)

**Ignitable, Reactive, or Incompatible Wastes [I]**

*This section applies to containers, tanks, waste piles, surface impoundments where ignitable, reactive or incompatible wastes stored, treated, or disposed.*

- 75\_\_ 66265.17(a) Failed to take precautions to prevent accidental ignition or reaction of ignitable or reactive waste. (DGS)
- 76\_\_ 66265.17(a) Ignitable or reactive waste was not separated and protected from sources of ignition or reaction. (DGS)
- 77\_\_ 66265.17(a) Failed to place "No Smoking" signs wherever hazard from ignitable or reactive waste. (DGS)

**NOTE:** The following requirement applies to generators per 66265.177(a) for containers and 66265.199(a)&(b) for tanks.

- 78\_\_ 66265.17(b) Failed to conduct transfer, storage, treatment, or disposal of ignitable or reactive wastes or the mixture or commingling of incompatible wastes and/or materials to prevent:
- (1) Generation of extreme heat or pressure, fire or explosion, or violent reaction.
  - (2) Production of uncontrolled toxic mists, fumes, dusts or gases to threaten human health or environment.
  - (3) Production of uncontrolled flammable fumes or gases to pose risk of fire or explosions.
  - (4) Damage to structural integrity of HW containment devices.
  - (5) Threat to human health or the environment. (DGS/GOR)
- 79\_\_ 66265.17(c) Failed to document compliance based on literature, trial tests, waste analyses, or similar treatment. (DGS)

Recyclable Materials [I/G] (See Guidance, section II)

- 80\_\_ 66266.81(b) Damaged lead acid batteries not properly managed and labelled. (DOR/GOR)
- 81\_\_ 66266.120(a)(3) Accepted > 10 lb. elemental mercury from offsite without a manifest or from registered hauler. (DOR)

Used Oil [I/G] (See Guidance, section II)

- 82\_\_ 25250.5(a) Disposed of used oil by discharge to sewers, drainage systems, water, incineration, or burning as fuel, or disposal on land without authorization. (DOR/GOR)
- 83\_\_ 25250.5(b) Used Oil, recycled oil, or oil exempt was used as dust suppressant and failed to meet applicable standards. (DOR/GOR)
- 84\_\_ 25250.7 Intentionally contaminated used oil with other hazardous waste, other than small amounts of vehicle fuel. (DOR/GOR)
- 85\_\_ 66266.130(c)(6) Failed to manage used oil separated from used oil filters during drainage processes as HW. (DOR/GOR)

**II. DOCUMENT REVIEW**

Manifest System [G] (See Guidance, Appendix: "Manifest Violations")

- 86\_\_ 66262.20(a) Failed to prepare a complete manifest for HW transported or sent offsite. (GMR)
- 87\_\_ 66262.20(b) Failed to designate on the manifest a facility which is authorized to handle the HW. (GMR)
- 88\_\_ 66262.23(a)(1)(2) Applicable manifest section not properly completed, signed or dated. (GMR)
- 89\_\_ 66262.23(a)(4) Generator manifest copies not sent to Department within 30 days of each shipment of HW. (GMR)
- 90\_\_ 66262.23(b) Failed to give manifest copies to transporter. (GMR)
- 91\_\_ 25160(b)(3) For out-of-state shipments, failed to submit TSDf manifest to the Department signed by all transporters (except rail transporters) and out-of-state facility operator within 30 days. (GMR)
- 92\_\_ 66262.42(a) Failed to determine the status of HW when generator did not receive facility manifest copy within 35 days. (GRR)
- 93\_\_ 66262.42(b) Exception Report not sent to Department within 45 days. (GRR)
- 94\_\_ 66262.40(a) Failed to keep signed copy of manifest for 3 years. (GRR)

- 95\_\_ 66263.42(e) Generators failed to keep shipping papers or receipt for milkrun operations for 3 years. (GRR)
- 96\_\_ 66266.81(a)(4)(B) Failed to retain copy of manifest or bill of lading for spent lead acid batteries for 3 years. (GRR)
- 97\_\_ 25250.8(b)(3) Failed to retain copies of used oil receipts for 3 years. (GRR)
- 98\_\_ 66266.130(c)(5) Failed to keep bill of lading for used oil filters for 3 years. (GRR)

**Manifest System [I] (See Guidance, Appendix: "Manifest Violations")**

- 99\_\_ 66265.71(a)(1) Failed to sign and date copy of manifest for HW received from offsite. (DMR)
- 100\_\_ 66265.71(a)(2) Failed to note significant discrepancies in the manifest. (DMR)
- 101\_\_ 66265.71(a)(3) Failed to give copy of signed manifest to transporter. (DMR)
- 102\_\_ 66265.71(a)(4)(5) Failed to send copy of manifest to the Department and generator within 30 days. (DMR)
- 103\_\_ 66265.71(a)(6) Failed to retain copy of each manifest for at least 3 years. (DMR)
- 104\_\_ 66266.81(a)(6)(B) Failed to retain copy of manifest or bill of lading for spent lead acid batteries for 3 years. (DMR)
- 95\_\_ 66265.71(b)(1-6) Failed to sign and date shipping paper or manifest from rail or water shipment, submit copies, retain copies, and/or note discrepancies in manifest. (DMR)
- 106\_\_ 66265.72(b) If discrepancy is not resolved within 15 days after receiving waste, failed to submit a letter to the Department. (DMR)
- 107\_\_ 66265.76 Failed to submit unmanifested waste report to the Department within 15 days after receiving the waste from offsite. (DMR)

**Land Disposal Restrictions (LDR) [G] (See Guidance, section VIII)**

- 108\_\_ 66268.7(a) No determination whether waste is restricted from land disposal. (GLB)
- 109\_\_ 66268.7(a)(1) No notification for LDR waste that fails to meet all applicable treatment standards. (GLB)

**NOTE: The notification must include the following:**

- a. EPA HW Number, or California Waste Code and Non-RCRA HW (see 66268.29 for list of non-RCRA waste types)
- b. corresponding treatment standards or treatment technologies
- c. manifest number associated with the waste shipment
- d. waste analysis data, where available.



110\_\_ 66268.7(a)(2) Failed to submit a signed notice and certification for LDR waste which does not require further treatment. (GLB)

111\_\_ 66268.7(a)(3) Failed to submit a notification that waste is subject to an exemption to the receiving facility. (GLB)

112\_\_ 66268.7(a)(5) Failed to retain onsite determination/waste analysis records. (GLB)

113\_\_ 66268.7(a)(6) Failed to retain notifications, certifications, other records for 5 years. (GLB)

Land Disposal Restrictions (LDR) [I] (See Guidance, section VIII)

114\_\_ 66268.7(b) Failed to test waste according to WAP for LDR. (DLB)

115\_\_ 66268.7(b)(4) Failed to send notice with each waste shipment to land disposal facility. (DLB)

116\_\_ 66268.7(b)(5) When applicable, failed to submit certification with each shipment of waste or treatment residue of restricted waste to land disposal facility. (DLB)

117\_\_ 66268.7(b)(6) TSDF failed to comply with notice and certification (when applicable) for waste or treatment residue which will be further managed at different treatment or storage facility. (DLB)

118\_\_ 66268.7(c)(1) Land disposal facility failed to keep copies of notice and certification and test waste to assure waste or treatment residues are in compliance with treatment standards and prohibitions. (DLB)

119\_\_ 66268.7(c)(2) Land disposal facility failed to test waste or treatment residue according to facility's WAP. (DLB)

Exports of Hazardous Waste [G] (See Guidance, section IX)

120\_\_ 66262.52 Exports of HW prohibited without notification of intent to export, consent of receiving country, and EPA Acknowledgement of Consent. (GCS)

121\_\_ 66262.53(b) Exporter of Non-RCRA HW fail to notify Department of intended export 4 weeks prior to shipment. (GCS)

122\_\_ 66262.54 Exporter failed to comply with special manifest requirements. (GCS)

Recordkeeping and Reporting [G]

123\_\_ 66262.40(c) Waste analysis/test records not kept for at least 3 years. (GRR)

124\_\_ 66262.41(a) Biennial Report not sent to the Department by March 1st of even numbered years. (GRR)

125\_\_ 66262.40(b) Copy of Biennial Report / Exception Report not retained for 3 years. (GRR)

Recordkeeping and Reporting [I/G] (See Guidance, sections IX and X)

- 126\_\_ 66265.12(a) Failed to notify the Department at least four weeks in advance of the arrival of initial load of HW from a foreign source. (DGS)
- 127\_\_ 66265.12(b) Failed to inform generator in writing that the facility is authorized to receive HW and/or failed to keep a copy of this notice in the operating record. (DGS)
- 128\_\_ 66265.12(c)(1) Failed to notify the new owner or operator of the facility in writing of requirements of Chapter 15 and Chapter 20 of Title 22. (DGS)
- 129\_\_ 66265.73(a) Failed to keep written operating record onsite. (DMR)
- 130\_\_ 66265.73(b) Failed to record all information and maintain operating record until closure of facility. (DMR)
- 131\_\_ 66265.74(a) Failed to furnish all records and plans upon request. (DMR)
- 132\_\_ 66265.75 Failed to prepare and submit copies of annual report to the Department by March 1 of each year. {Note: for 1992 report keep onsite not submit to Department} (DMR)
- 133\_\_ 66265.75 Annual report lacked all required information. (DMR)
- 134\_\_ 66265.77(a) Failed to report releases, fires, and explosions to the Department within 15 days per 66265.56(j). (DMR)
- 135\_\_ 66265.77(b), 66265.93 & 66265.94 Failed to report to the Department ground-water contamination and monitoring data.

Contingency Plan and Emergency Procedures [I/G] (See Guidance, section XI)

- 136\_\_ 66265.51(a) No contingency plan. (DCP/GOR)
- 137\_\_ 66265.51(b) Failure to implement contingency plan whenever there is a fire, explosion, or release of HW which could threaten human health or environment. (DCP/GOR)
- 138\_\_ 66265.52 Incomplete contingency plan. (DCP/GOR)
- 139\_\_ 66265.53(a) Contingency plan not maintained on site. (DCP/GOR)
- 140\_\_ 66265.53(b) Contingency plan not submitted to local emergency authorities. (DCP/GOR)
- 141\_\_ 66265.54 Contingency plan not amended as necessary. (DCP/GOR)
- 142\_\_ 66265.55 No emergency coordinator either on premises or on-call at all times. (DCP/GOR)
- 143\_\_ 66265.56 Emergency coordinator failed to implement the emergency procedures immediately in an imminent emergency situation. (DCP/GOR)
- 144\_\_ 66265.56(j) Facility failed to note required information in operating log and submit written report to the Department within 15 days. (DCP/GOR)

**General Inspection Requirements [I]** (See Guidance, section XII)

- 145\_\_ 66265.15(b)(1) Failed to develop and follow inspection schedule. (DGS)
- 146\_\_ 66265.15(b)(2) Failed to keep a copy of the inspection schedule. (DGS)
- 147\_\_ 66265.15(b)(3) Inspection schedule failed to identify appropriate problems to be looked for. (DGS)
- 148\_\_ 66265.15(c) Failed to record all the required information revealed during inspection. (DGS)
- 149\_\_ 66265.15(d) Failed to record all the required information in the inspection schedule. (DGS)
- 150\_\_ 66265.15(d) Failed to keep the complete inspection records for 3 years. (DGS)

**Personnel Training [I/G]** (See Guidance, section XIII)

- 151\_\_ 66265.16(a)(1) Personnel failed to complete training course to assure compliance with HW requirements. (DGS/GOR)
- 152\_\_ 66265.16(a)(2) Training program was not directed by a person trained in HW procedures and/or not relevant to employees' job duties. (DGS/GOR)
- 153\_\_ 66265.16(a)(3) Training program failed to ensure that facility personnel are able to respond to emergencies. (DGS/GOR)
- 154\_\_ 66265.16(b) Personnel failed to complete the required training program within 6 months of employment or worked in unsupervised positions prior to completing the required training. (DGS/GOR)
- 155\_\_ 66265.16(c) Personnel failed to receive an annual review of their initial training. (DGS/GOR)
- 156\_\_ 66265.16(d) Failed to maintain all the required training documentation onsite. (DGS/GOR)
- 157\_\_ 66265.16(e) Failed to keep training records on current personnel and/or former employees within the last 3 years onsite. (DGS/GOR)

**Waste Analysis Plan (WAP) [I]** (See Guidance, section XIV)

- 158\_\_ 66265.13(a) Failed to obtain detailed waste analyses. (DGS)
- 159\_\_ 66265.13(b) No written WAP. (DGS)
- 160\_\_ 66265.13(b) Written WAP not kept at the facility. (DGS)
- 161\_\_ 66265.13(b) Failed to follow WAP. (DGS)
- 162\_\_ 66265.13(b) WAP was incomplete. (DGS)

WAP for OffSite Facilities [I]

163\_\_ 66265.13(b)(5) WAP did not specify the generator's waste analyses. (DGS)

164\_\_ 66265.13(b)(6) WAP did not contain methods to be used to meet additional requirements for:

- |   |   |
|---|---|
| <input type="checkbox"/> Tanks (66265.198 & .200)                   | <input type="checkbox"/> Liquids in landfills (66265.314) |
| <input type="checkbox"/> Incinerators (66265.341)                   | <input type="checkbox"/> Surface Impoundments (66265.225) |
| <input type="checkbox"/> Waste Piles (66265.252)                    | <input type="checkbox"/> Thermal Treatment (66265.375)    |
| <input type="checkbox"/> Land Treatment (66265.273)                 | <input type="checkbox"/> Other Treatment (66265.402)      |
| <input type="checkbox"/> Land Disposal Restrictions (66268.7) (DGS) |   |

165\_\_ 66265.13(c) WAP did not describe procedures to inspect or analyze waste to ensure it matches identity of waste on manifest. (DGS)

166\_\_ 66265.13(c)(1) WAP did not describe the procedures for identifying movement of each HW. (DGS)

167\_\_ 66265.13(c)(2) WAP did not describe sampling methods. (DGS)

Closure Plan [I] (See Guidance, section XV)

168\_\_ 66265.112(a) No written Closure Plan kept onsite. (DCL)

169\_\_ 66265.112(b) Closure Plan incomplete. (DCL)

170\_\_ 66265.112(c) Closure Plan not updated when required. (DCL)

171\_\_ 66265.112(c) Changes to approved closure plan not submitted to the Department for authorization. (DCL)

172\_\_ 66265.112(d)(1) Failed to submit unapproved closure plan at least 180 days prior to beginning closure of surface impoundment, waste pile, land treatment or landfill unit, or final closure of such unit. (DCL)

173\_\_ 66265.112(d)(1) Failed to submit unapproved closure plan at least 180 days prior to beginning final closure of tanks or containers or incinerator units. (DCL)

174\_\_ 66265.112(d)(1) Facility with approved closure plans failed to notify Department in writing at least 60 days prior to beginning closure of surface impoundments, waste pile, landfill, or land treatment unit, or final closure of facility with such unit. (DCL)

175\_\_ 66265.112(d)(1) Facility with approved closure plan failed to notify the Department in writing at least 45 days prior to beginning final closure of tanks or containers or incinerator units. (DCL)

176\_\_ 66265.112 (d)(3)(A) Failed to submit the closure plan to the Department within 15 days after termination of interim status. (DCL)

**Closure Activities [I]**

- 177\_\_ 66265.113(a) Within 90 days after receiving final HW or approval of closure plan whichever is later, facility failed to treat, remove, or dispose onsite all HW in accordance with approved closure plan. (DCL)
- 178\_\_ 66265.113(b) Failed to complete partial or final closure according to closure schedule and within 180 days after receipt of final HW or approval of closure plan whichever is later. (DCL)
- 179\_\_ 66265.114 Equipment, structures or contaminated soils not properly disposed or decontaminated. (DCL)
- 180\_\_ 66265.115 Failed to submit certification of closure to the Department within 60 days after completion of closure of each HW surface impoundment, waste pile, land treatment, and landfill unit, or within 60 days of final closure. (DCL)

**Post Closure Plan [I]** (See Guidance, section XV)

*Applies to HW disposal facilities (landfills, surface impoundments, waste piles) where all HW will not be removed during closure.*

- 181\_\_ 66265.117(b)(1) Failed to conduct post-closure care for each HW management unit for 30 years. (DCL)
- 182\_\_ 66265.117(c)(1) Failed to provide security per 66265.14 during post-closure period. (DCL)
- 183\_\_ 66265.117(d) Unauthorized disturbance of final cover, liner(s), other components of containment system, or the monitoring system. (DCL)
- 184\_\_ 66265.117(e) Failed to follow post-closure plan. (DCL)
- 185\_\_ 66265.118(a) No written Post Closure Plan. (DCL)
- 186\_\_ 66265.118(b) Failed to keep the post-closure plan onsite. (DCL)
- 187\_\_ 66265.118(c) Post Closure Plan incomplete. (DCL)
- 188\_\_ 66265.118(d) Post Closure Plan not amended as required. (DCL)
- 189\_\_ 66265.119(a) Failed to submit required post-closure notices within 60 days of certification of closure. (DCL)
- 190\_\_ 66265.119(c) Failed to request modification to approved post-closure plan prior to removing hazardous waste, residue, liner, or contaminated structures and equipment. (DCL)
- 191\_\_ 66265.120 Failed to submit certification of post-closure completion within 60 days. (DCL)
- 192\_\_ Failed to follow special requirements during post-closure period for:
- |  |                                      |
|--|--------------------------------------|
| __ Surface Impoundments [66265.228(b)] | __ Tanks [66265.197(c)]              |
| __ Waste Piles [66265.258(b)]          | __ Land Treatment [66265.280(c)&(f)] |
| __ Landfills [66265.310(e)]. (DCL)     |                                      |

**Financial Responsibility [I]** (See Guidance, section XIX)

- 193\_\_ 66265.142(a) Failed to prepare proper written closure cost estimate of all closure activities. (DFR)
- 194\_\_ 66265.142(b) Failed to adjust closure cost estimate for inflation. (DFR)
- 195\_\_ 66265.142(c) Failed to revise closure cost estimate within 30 days after modifying closure plan. (DFR)
- 196\_\_ 66265.142(d) Failed to keep latest closure cost estimate onsite. (DFR)
- 197\_\_ 66265.143 Failed to establish or demonstrate financial assurances for closure of the facility. (DFR)
- 198\_\_ 66265.143 Failed to amend financial assurance mechanism to cover revised closure cost estimate. (DFR)
- 199\_\_ 66265.144(a) Failed to prepare proper written post-closure cost estimate of all post-closure activities. (DFR)
- 200\_\_ 66265.144(b) Failed to adjust post-closure cost estimate for inflation. (DFR)
- 201\_\_ 66265.144(c) Failed to revise post-closure cost estimate within 30 days after modifying post-closure plan. (DFR)
- 202\_\_ 66265.144(d) Failed to keep latest post-closure cost estimate onsite. (DFR)
- 203\_\_ 66265.145 Failed to establish or demonstrate an appropriate financial assurance mechanism to cover the cost of post-closure care. (DFR)
- 204\_\_ 66265.145 Failed to amend financial assurance mechanism as needed to cover revised post-closure cost estimate. (DFR)
- 205\_\_ 66265.147(a) Failed to demonstrate liability coverage for sudden accidental occurrences of at least \$1 million per occurrence with annual aggregate of at least \$2 million per year per facility. (DFR)
- 206\_\_ 66265.147(b) Disposal facility failed to demonstrate liability coverage for non-sudden accidental occurrences of at least \$3 million per occurrence with annual aggregate of at least \$6 million per year per facility. (DFR)

**IV. SOURCE REDUCTION**

- 207\_\_ 25244.15(d), 25244.19 through 25244.21 Generator was subject to SB 14 or SB 1726 and failed to prepare and retain current source reduction documents as applicable and make them available to the inspector within five days.
- 208\_\_ 67100.5 Source Reduction Evaluation Review and Plan (aka Source Reduction Plan, or Plan) failed to contain required elements, such as certification, amounts of wastes generated, process description, block diagrams, and implementation schedule of selected source reduction measures.



**An inspection was made by a representative of this Department on the date and at the location indicated below. During the course of our inspection, the following conditions were noted which your Board / Department / Agency may wish to investigate.**

Name of Board / Department / Agency: \_\_\_\_\_  
Complete address: \_\_\_\_\_

Telephone number: \_\_\_\_\_  
Attention: \_\_\_\_\_

**LOCATION / FACILITY INSPECTED**

Facility / owner's name: \_\_\_\_\_  
Complete address: \_\_\_\_\_  
\_\_\_\_\_  
Telephone number: \_\_\_\_\_  
Occupant's name: \_\_\_\_\_

Permit / identification number (e.g., EPA generator ID, wastewater discharge permit, etc.), if available: \_\_\_\_\_

Inspector: \_\_\_\_\_ Telephone number: \_\_\_\_\_  
Inspection date: \_\_\_\_\_ Referral date: \_\_\_\_\_

**Violations / Conditions noted:**

Cal/EPA Office of the Secretary  
Assistant Secretary for Law Enforcement  
555 Capitol Mall, Suite 225  
Sacramento, CA 95814  
Tel. (916) 327-2064  
Fax (916) 322-6005

California Air Resources Board  
Compliance Division  
2020 L Street  
Sacramento, CA 95814  
Tel. (916) 322-6022  
Fax (916) 445-5745

California Integrated Waste Management Board  
Permitting and Compliance Division  
880 Cal Center Drive  
Sacramento, CA 95826  
Tel. (916) 255-2431  
Fax (916) 255-2574

#### California Regional Water Quality Control Boards

North Coast Region (1)  
5590 Skyline Blvd., Ste. A  
Santa Rosa, CA 95403  
Tel. (707) 576-2200  
Fax (707) 523-0135

San Francisco Bay Region (2)  
2101 Webster Street, Ste. 900  
Oakland, CA 94612  
Tel. (510) 286-0515  
Fax (510) 286-1380

Central Coast Region (3)  
81 Higuera Street, Ste. 200  
San Luis Obispo, CA 93401-5414  
Tel. (805) 543-0397  
Fax (805) 543-0397

Los Angeles Region (4)  
101 Centre Plaza Drive  
Monterey Park, CA 91754-2155  
Tel. (213) 266-7510  
Fax (213) 266-7600

Central Valley Region (5)  
3443 Rountree Road  
Sacramento, CA 95827-3056  
Tel. (916) 255-3039  
Fax (916) 255-3015

Lahontan Region (6)  
2092 South Lake Tahoe Blvd., Ste. 2  
South Lake Tahoe, CA 96150  
Tel. (916) 544-3481  
Fax (916) 544-2271

Colorado River Basin Region (7)  
73-720 Fred Waring Drive, Ste. 100  
Palm Desert, CA 92260  
Tel. (619) 346-7491  
Fax (619) 341-6820

Santa Ana Region (8)  
2010 Iowa Avenue, Ste. 100  
Riverside, CA 92507-2409  
Tel. (909) 782-4140  
Fax (909) 781-6288

San Diego Region (9)  
9771 Clairemont Mesa Blvd., Ste. B  
San Diego, CA 92124  
Tel. (619) 467-2952  
Fax (619) 571-6972

Department of Toxic Substances Control  
400 P Street, 4th Floor  
Sacramento, CA 95812

Criminal Investigations Branch  
Tel. (916) 324-2448  
Fax (916) 323-5542

#### Surveillance and Enforcement Branches:

Region 1 (Sacramento)  
10151 Croydon Way, Ste. 3  
Sacramento, CA 95827-2106  
Tel. (916) 255-3549  
Fax (916) 255-3595

Region 2 (Berkeley)  
700 Heinz Street, Bldg. F  
Berkeley, CA 94710  
Tel. (510) 540-3860  
Fax (510) 540-5907

Region 3 (Glendale)  
1011 N. Grandview Avenue  
Glendale, CA 91201  
Tel. (818) 551-2800  
Fax (818) 551-2901

Region 4 (Long Beach)  
245 W. Broadway, Ste. 350  
Long Beach, CA 90802  
Tel. (310) 590-5950  
Fax (310) 590-5907

TOXICS HOTLINE: 1-800-69-TOXIC

Department of Pesticide Regulation  
Pesticide Enforcement Branch  
1220 N Street  
Sacramento, CA 95814  
Tel. (916) 654-0631  
Fax (916) 654-1427

#### Field Offices:

Anaheim  
(714) 680-7903

Berkeley  
(510) 540-2910

Fresno  
(209) 445-5401

Sacramento  
(916) 445-6983

Office of Health Hazard Assessment  
601 N. 7th Street  
Sacramento, CA 94234-7320  
Tel. (916) 324-7572  
Fax (916) 327-1097

Prosecutors (e.g., U.S. Attorney, Attorney General, City / District Attorney, etc.)

Other Federal / State / Local Enforcement Agencies (e.g., FBI, EPA, CHP, air district, county health, etc.)